

Union overview report on the implementation of the Regulation (EU) 2019/1021 on persistent organic pollutants (POPs Regulation)

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Introduction and background

Persistent organic pollutants (POPs) are organic substances that persist in the environment, accumulate in living organisms and pose a risk to our health and the environment. They can be transported by air, water or migratory species across international borders, reaching regions where they have never been produced or used. International agreements for the risk management of POPs have been established as no region can manage the risks posed by these substances alone.

POPs are regulated worldwide by the UNECE Protocol on POPs ("the Protocol"), adopted in 1998 in Aarhus as part of the Convention on Long Range Transboundary Air Pollution (CLRTAP) and by the Stockholm Convention on POPs, adopted in 2001 and entered into force in 2004 ("the Convention").

The Protocol and the Convention are implemented in the European Union by the Regulation (EU) 2019/1021 on persistent organic pollutants (the POPs Regulation) which repealed the original Regulation (EC) No 850/2004 on POPs. The POPs Regulation aims to protect human health and the environment with specific control measures that:

- prohibit or severely restrict the production, placing on the market and use of POPs;
- minimise the environmental release of POPs that are formed as industrial by-products;
- make sure that stockpiles of restricted POPs are safely managed; and
- ensure the environmentally sound disposal of waste consisting of, or contaminated by POPs.

POPs are listed in three Annexes to the Regulation (Annex I – banned, Annex II – restricted, Annex III – unintentionally released POPs).

POP subject to waste management provisions set out in Article 7 are listed in Annex IV.

[List of substances subject to the POPs Regulation](#)

For more information for the Stockholm Convention and the UNECE Protocol on POPs, see the following links:

[Stockholm Convention on POPs](#)

[The 1998 Aarhus Protocol on Persistent Organic Pollutants \(POPs\)](#)

Scope and period of time covered by the Union overview report

Article 13 of the POPs Regulation covers the reporting requirements for Member States and the European Chemicals Agency. The Member States are required to draw up and publish a report containing information specified in its Article 13(1) and give the Commission and ECHA access to the information contained in it. On the basis of the information submitted by the Member States, ECHA compiles and publishes a Union Overview report.

The following Member States have provided data to ECHA in the form of national reports in accordance with Article 13(1) of POPs: Belgium, Bulgaria, Croatia, Cyprus, Denmark, Estonia, Finland, France, Germany, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Poland, Portugal, Slovenia, Spain, Sweden, the Czech Republic, the Netherlands.

The data contained in the Union overview report pertains the period from 2019 onwards. However, the Member States might have included information from previous years in their national reports. This information has also been incorporated in the Union Overview. Member States shall update their national report annually as far as new data or information is available and otherwise at least every three years. ECHA updates the Union overview report regularly to incorporate the new information received by the Member States, or following receipt of a request from the Commission.

Information from previous years is reported in accordance with the Article 12 of the Regulation (EC) No 850/2004 and is available in the following Synthesis Reports:

[The first synthesis report for the period 2004-2006](#) [Annex I](#) [Annex II](#)

[The second synthesis report for the period 2007-2009](#)

[Summary of the third synthesis report for the period 2010-2012](#) [Part I](#) [Part II](#)

Disclaimer

The following Union Overview Report is published by the European Chemicals Agency following Article 13(4) of Regulation (EU) 2019/1021 of 20 June 2019 on persistent organic pollutants. The report is based on information from the individual Member States' reports submitted to ECHA following Article 13(1) of that Regulation. ECHA accepts no responsibility or liability of any kind for the accuracy, completeness or reliability of the information used in the report, which is based on the information provided in the reports prepared by the individual Member States.

Section 1. Control of manufacturing, placing on the market and use of POPs

In accordance with Article 3 of the POPs Regulation, the manufacturing, placing on the market and use of substances listed in Annex I to the POPs Regulation is prohibited, while substances listed in Annex II are subject to restriction. Currently no substances are listed in Annex II.

Specific exemptions to the prohibition on manufacturing, placing on the market and use for certain substances are specified in the relevant entries of Annex I. In addition, as specified in Article 4(1), the manufacturing, placing on the market and use of substances listed in Annex I and II and use is permitted: (a) for use for laboratory-scale research or as a reference standard; (b) when the substance is present as an unintentional trace contaminant, as specified in the relevant entries of Annex I or II, in substances, mixtures or articles.

In accordance with Article 4(2), for a substance added to Annex I or II after 15 July 2019, Article 3 shall not apply for a six-month period if that substance is present in articles produced before or on the date that this Regulation becomes applicable to that substance. Article 3 shall not apply in the case of a substance being present in articles already in use before or on the date that this Regulation or Regulation (EC) No 850/2004 on persistent organic pollutants became applicable to that substance, whichever date came first.

Table 1. List of substances included in Annex I to the POPs Regulation.

Substance/group of substances (Link to substance infocard page)	Uses	Specific exemptions for the manufacturing, placing on the market and/or use
Aldrin	Pesticide	No
Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCPs)	Industrial chemical	No
Bis(pentabromophenyl) ether (decabromodiphenyl ether; decaBDE)	Industrial chemical	Yes. See Annex I to the POPs Regulation
Chlordane	Pesticide	No
Chlordecone	Pesticide	No
DDT (1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane)	Pesticide	No
Dicofol	Pesticide	No
Dieldrin	Pesticide	No
Endosulfan and its isomers	Pesticide	No
Endrin	Pesticide	No
Heptabromodiphenyl ether	Industrial chemical	Yes. See Annex I to the POPs Regulation
Heptachlor	Pesticide	No
Hexabromo-1,1'-biphenyl	Industrial chemical	No
Hexabromocyclododecane (HBCDD)	Industrial chemical	No
Hexabromodiphenyl ether	Industrial chemical	Yes. See Annex I to the POPs Regulation
Hexachlorobenzene	Industrial chemical and pesticide	No

Substance/group of substances (Link to substance infocard page)	Uses	Specific exemptions for the manufacturing, placing on the market and/or use
Hexachlorobuta-1,3-diene	Industrial chemical and pesticide	No
Hexachlorocyclohexanes, including lindane	Pesticide	No
Mirex	Pesticide	No
Pentabromodiphenyl ether	Industrial chemical	Yes. See Annex I to the POPs Regulation
Pentachlorobenzene	Industrial chemical and pesticide	No
Pentachlorophenol and its salts and esters	Pesticide	No
Perfluorooctane sulfonic acid and its derivatives (PFOS) C₈F₁₇SO₂X, (X = OH, Metal salt (O-M+), halide, amide, and other derivatives including polymers)	Industrial chemical and pesticide	Yes. See Annex I to the POPs Regulation
Perfluorooctanoic acid (PFOA), its salts and PFOA-related substances	Industrial chemical	Yes. See annex I to the POPs Regulation
Perfluorohexane sulfonic acid (PFHxS), its salts and PFHxS-related compounds	Industrial chemical	No
Polychlorinated biphenyls (PCB)	Industrial chemical	No
Polychlorinated naphthalenes	Industrial chemical	No
Tetrabromodiphenyl ether	Industrial chemical	Yes. See Annex I to the POPs Regulation
Toxaphene	Industrial chemical	No

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Section 1.1. Quantities manufactured and placed on the market of substances listed in Annex I and II of the POPs Regulation

The table below contains information on the quantities imported and/or placed on the market of substances listed in Annex I or II to the POPs Regulation. The quantities (tonnage bands) are automatically calculated on the basis of the data provided by the Member State Competent Authorities. For further information you can consult the data provided by each Member State in Appendix A. Please note that some Member States might have included additional information in relation to the quantities reported. This additional information was not taken into consideration when calculating the values provided in this table. For those substances where at least on MSCA has indicated that the quantities for a given year are confidential no upper bound for the tonnage band is presented. "CONF" is displayed when all MSCAs that reported data for a substance on a given year have indicated that the quantities are confidential.

Table 2. Data on the production, import and/or placing on the market of substances listed in Annex I or II to the POPs Regulation.

Substance(s)	Year	Quantities (tonnes)		
		Manufactured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)
Aldrin	2019		<1	
	2020		<1	<1
	2008		<1	<1
	2011		1-10	
Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCPs)	2012		1-10	
	2013		1-10	
	2019		CONF	
	2020		>0	<1
Bis(pentabromophenyl)ether; (decabromodiphenyl ether; decaBDE)	2019		1-10	CONF
	2020		10-100	
Chlordane	2019		<1	
	2020		<1	
Chlordecone	2020		<1	
DDT (1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane)	2019		<1	

Substance(s)	Year	Quantities (tonnes)		
		Manufactured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)
DDT (1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane)	2020		<1	<1
	2021		<1	
Dieldrin	2019		<1	
	2020		10-100	<1
	2022		<1	
Endosulfan	2003	<1	1-10	1-10
	2004	1-10	1-10	1-10
	2005		1-10	1-10
	2006		1-10	1-10
	2007	1-10	<1	1-10
	2008			1-10
	2009			<1
	2019		1-10	
	2020		1-10	<1
	2021		1-10	
Endrin	2019		<1	
	2020		<1	<1
	2022		1-10	
Heptachlor	2019		<1	
	2020		<1	
Hexabromobiphenyl	2019		1-10	
	2020		1-10	
Hexabromocyclododecane	2010		>1000	
	2020		<1	
	2021		<1	
Hexachlorobenzene	2019		<1	
	2020		<1	<1
	2021		<1	
Hexachlorobutadiene	2020		<1	
Hexachlorocyclohexanes, including lindane	2005			<1

Substance(s)	Year	Quantities (tonnes)		
		Manufactured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)
Hexachlorocyclohexanes, including lindane	2019		<1	
	2020		<1	<1
Pentachlorobenzene	2020		1-10	
	2022		<1	
Pentachlorophenol and its salts and esters	2020		<1	
	2021		<1	
	2022		<1	
Perfluorooctane sulfonic acid and its derivatives (PFOS)	2019		10-100	
	2020		1-10	
	2021		10-100	
	2022		1-10	
Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds	2008	<1		
	2018		10-100	
	2019		>0	>=1
	2020	1-10	>0	>0
	2021			<1
Polychlorinated Biphenyls (PCB)	2021		<1	
Polychlorinated naphthalenes	2019		<1	
Tetrabromodiphenyl ether	2021		10-100	
	2022		10-100	

Section 1.2 Quantities manufactured and placed on the market per specific use

Additional information provided by the Member States about the tonnage per use of the substances reported in the previous section. The provision of this information is considered as optional and not all Member States have reported information on the uses of the substances that have been manufactured and/or placed on the market. The data provided by each Member State is available in Appendix A.1.

Please note that there are only a limited number of exemptions permitting the manufacturing, placing on the market and use of POP substances.

Table 3. Information on tonnage per use.

Substance name or Group of Substances	Year	Use	Quantities (tonnes)	
			Manufactured	Placed on the market (as such, in mixtures or articles)
Aldrin	2020	Laboratory scale research or reference standard		<1
Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCPs)	2020	Laboratory scale research or reference standard	<1	<1
DDT (1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane)	2020	Laboratory scale research or reference standard		<1
Dieldrin	2020	Laboratory scale research or reference standard		<1
Endosulfan	2020	Laboratory scale research or reference standard		<1
Endrin	2020	Laboratory scale research or reference standard		<1
Hexachlorobenzene	2020	Laboratory scale research or reference standard	<1	<1
Hexachlorocyclohexanes, including lindane	2020	Laboratory scale research or reference standard	<1	<1
Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds	2020	Laboratory scale research or reference standard	<1	<1

Section 2. Stockpiles notified in accordance with Article 5(2)

In accordance with Article 5(2) of Regulation (EU) 2019/1021, the holder of a stockpile greater than 50 kg, consisting of or containing any substance listed in Annex I or II, and the use of which is permitted shall provide the competent authority of the Member State in which the stockpile is established with information concerning the nature and size of that stockpile. Such information shall be provided within 12 months of the date that this Regulation or Regulation (EC) No 850/2004 became applicable to that substance, whichever date came first for the holder, and of relevant amendments to Annex I or II and annually thereafter until the deadline specified in Annex I or II for the restricted use.

The POPs Regulation defines 'stockpile' as substances, mixtures or articles accumulated by the holder that consist of or contain any substance listed in Annex I or II.

The following Member States have reported stockpiles in their national reports: BE, CY, CZ, DE, ES, IE, LT, SE.

The table below depicts the number of stockpile notifications received by respective Member States as reported in their national reports. In addition, some Member States have included information from their national PCB inventories, which is also included in the table. The Member States are required establish and maintain inventories of equipment with PCB volumes of more than 5 dm³ in accordance with the Directive 96/59/EC on the disposal of PCB/PCT and to send summaries of those inventories to the Commission. More information on the stockpile notifications reported by the MS is available in the Appendix B.

Table 4. Number of stockpile notifications.

Substance/ Group of substances	Year of notification	Stockpile type	Number of Notified Stockpiles	MS that have reported the stockpiles	Total mass of the stockpiles (tonnes)*
Hexachlorobenzene	2021	substance	1	ES	0.00001
	2019	substance	1	DE	13.741
Perfluorooctane sulfonic acid and its derivatives (PFOS)	2020	substance	1	DE	13.741
	2021	substance	1	DE	13.741
	2022	substance	1	DE	13.741
		mixture	1	BE	15.82
Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds	2020	mixture	2	DE	2.56
	2021	article	3	BE	88.13312
	2021	mixture	91	SE, IE, ES, DE, CZ, BE	4472.60209
	2021	substance	2	BE	0.49241
	2022	mixture	51	IE, DE	1484.622
	2022	substance	2	DE	7.37
Polychlorinated Biphenyls (PCB)		mixture	6	IE	4.291
	2015	mixture	11	CY	2.324
	2017	mixture	1	CY	0.755

Substance/ Group of substances	Year of notification	Stockpile type	Number of Notified Stockpiles	MS that have reported the stockpiles	Total mass of the stockpiles (tonnes)*
Polychlorinated Biphenyls (PCB)	2020	article	3	LT, ES	20261.715
	2021	article	2	LT	43.925
	2022	article	2	LT	43.925
	2023	article	2	LT	43.925

*Note that for stockpiles of mixtures and articles, the total mass of the stockpile(s) presented in this table is calculated as the sum of the weight of the mixtures or articles consisting of or containing the substance as reported in Appendix B.

Section 3. Releases to the environment of unintentionally produced POPs

In line with the Protocol and the Convention, releases of POPs which are unintentional by-products of industrial and other anthropogenic thermal processes (e.g. residential combustion) should be identified and reduced as soon as possible, with the ultimate aim of eliminating the emissions, where feasible.

As set out in Article 6 of the POPs Regulation, the Member States draw up and maintain inventories for the substances listed in Annex III (see below) released into air, water and land, in accordance with their obligations under the Convention and the Protocol. Member States report on their action plans for reducing emissions of unintentionally formed POPs in their national implementation plans (see section 8).

ANNEX III - List of substances subject to release reduction provisions

Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)
Polychlorinated biphenyls (PCB)
Hexachlorobenzene (HCB) (CAS No 118-74-1)
Polycyclic aromatic hydrocarbons (PAHs)
Pentachlorobenzene (CAS No 608-93-5)
Hexachlorobutadiene (CAS No 87-68-3)
Polychlorinated naphthalenes (CAS No 70776-03-3 and others)

The reporting obligations for releases of unintentionally produced POPs is, in addition to the POPs Regulation, governed by other international, EU and national policy frameworks. Consequently, Member States and the industry sector report data on releases to various institutions, and the data is published in different databases and websites.

In the sections below, it is described which releases are reported where, and by whom and links are provided to the relevant data and reports.

The information on releases provided by the Member States to ECHA, and included in their national reports, does not include inventories which are reported in accordance with the Protocol and/or the European Pollutant Release and Transfer Register (E-PRTR) in publicly available databases (see below for more detail).

Estimates on releases to air reported by the Member States under the Protocol

The European Union and its Member States report estimates of PCDD/PCDF, PCB, HCB and PAHs released to air to the European Environmental Agency (EEA) and the European Monitoring and Evaluation Programme - Centre on Emission Inventories and Projection (EMEP-CEIP) in accordance with the obligations under the Protocol.

Emission time trends in Europe of HCB, PCB, PCDD/PCDF and PAHs to air can be found as interactive graphs and tables in the EEA webpage below:

<https://www.eea.europa.eu/data-and-maps/indicators/eea32-persistent-organic-pollutant-pop-emissions-1/assessment-10>

“Persistent organic pollutants emissions in Europe” is an EEA indicator. The EEA publishes information about emission reduction of POPs to air in the EU, as well as in individual Member States, which can be accessed here:

<http://www.eea.europa.eu/ims/persistent-organic-pollutant-emissions-in-europe>

In the EMEP-CEIP Data viewer, interactive maps and emission time trend graphs for specific countries can be viewed and downloaded.

<https://www.ceip.at/data-viewer-2>

Additional reports, as well as information on the review process of emission inventories under the Convention on Long Range Transboundary Air Pollution (CLRTAP) can be found in the EMEP-CEIP webpage (<https://www.ceip.at/>).

The annual emission data reported by the Member States and the EU under the Protocol (Inventory files NFR), as well as the informative inventory reports (IIRs) can be downloaded from the EMEP-CEIP webpage (see annual submissions at the top of the page to view the overview table). The IIRs provide detailed information about the reported data, including explanations of pollutant trends and key sources of emission. In addition to POPs, emission data on other air pollutants covered by the different Protocols to the CLRTAP, such as heavy metals, nitrogen oxides and sulphur oxides, are also reported.

<https://www.ceip.at/status-of-reporting-and-review-results>

The database (mdb file) of annual emission data for the EU Member States can also be downloaded from the EEA webpage:

<https://www.eea.europa.eu/data-and-maps/data/national-emissions-reported-to-the-convention-on-long-range-transboundary-air-pollution-lrtap-convention-15>

The EMEP/EEA air pollutant emission inventory guidebook provides guidance on estimating emissions of POPs and other air pollutants from both anthropogenic and natural emission sources and is designed to facilitate reporting of comparable and consistent air pollutant emissions inventory data.

<https://www.eea.europa.eu/publications/emep-eea-guidebook-2023>

Estimates on releases reported by the Member States under the Convention

The Member States report data on unintentional releases to air, water and land to the Convention. In order to assist the preparation of the inventories on releases, the Convention has developed The Toolkit for Identification and Quantification of Releases of Dioxins, Furans and Other Unintentional POPs. The data on emissions reported to the Convention can be accessed through the Convention Reporting Dashboard and the national report database.

http://ers.pops.int/eRSodataReports2/ReportSC_DashBoard.html

<http://chm.pops.int/Countries/Reporting/NationalReports/tabid/3668/Default.aspx>

Additional information on emissions of POPs reported by industrial facilities under the E-PRTR

The Regulation (EC) No 166/2006 on the establishment of a European Pollutant Release and Transfer Register (the E-PRTR Regulation) has established a publicly accessible electronic database containing key environmental data from industrial facilities in Europe. The European Industrial Emissions Portal provides easily accessible data on emissions reported under the E-PRTR. The portal replaced the E-PRTR website in June 2021.

<https://industry.eea.europa.eu/>

Subject to reporting thresholds, industrial facilities in the EU provide information to the Member State on the quantities of pollutants released to air, water and land in accordance with the E-PRTR Regulation. The Member States collate and check this information and send it to the Commission. The Commission, assisted by the EEA incorporates the information in the portal.

Additional data on on emissions of POPs:

Additional data on releases of Annex III substances to air, land and water as reported by the Member States in their national reports is available in Appendix C. This information does not include inventories which are reported in accordance with the Protocol and/or the E-PRTR in publicly available databases.

Section 4. Monitoring data on POPs available in IPCHEM

The following Member States: BE, CZ, DE, ES, FI, FR, LT, LV, NL, SI have shared data from their respective environmental monitoring programmes on POPs with the Information Platform for Chemical Monitoring (IPCHEM).

<https://ipchem.jrc.ec.europa.eu>

Table 5. Information of monitoring programmes on POPs, as reported by the MS, which are currently available in IPCHEM.

Member State	Data provider	Data collection name	Substance(s) covered by the monitoring programme
Belgium	VITO/PIH	3xG	Polychlorinated Biphenyls (PCB); Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF); hexachlorobenzene; dichlorodiphenyldichloroethylene; Perfluorooctanoic acid (PFOA); Perfluorooctane sulfonic acid (PFOS)
		FLEHS 1 adolescents	Polychlorinated Biphenyls (PCB)hexachlorobenzene; dichlorodiphenyldichloroethylene
		FLEHS 1 adults	Polychlorinated Biphenyls (PCB)hexachlorobenzene; dichlorodiphenyldichloroethylene; dichlorodiphenyltrichloroethan
		FLEHS 1 newborns	Polychlorinated Biphenyls (PCB)hexachlorobenzene; dichlorodiphenyldichloroethylene
		FLEHS 2 adolescents	Polychlorinated Biphenyls (PCB)Polybrominated diphenylether 153; Polybrominated diphenylether 154; Polybrominated diphenylether 183; Polybrominated diphenylether 209; Hydroxylated Polychlorinated biphenyl 107; Hydroxylated Polychlorinated biphenyl 146; Hydroxylated Polychlorinated biphenyl 187; total Hexabromocyclododecane; hexachlorobenzene; dichlorodiphenyldichloroethylene; dichlorodiphenyltrichloroethan
		FLEHS 2 adolescents Genk	Polychlorinated Biphenyls (PCB)Polybrominated diphenylether 153; Polybrominated diphenylether 154; Polybrominated diphenylether 183; Polybrominated diphenylether 209; total Hexabromocyclododecane; hexachlorobenzene; dichlorodiphenyldichloroethylene; dichlorodiphenyltrichloroethan
		FLEHS 2 adolescents Menen	Polychlorinated Biphenyls (PCB)Polybrominated diphenylether 153; Polybrominated diphenylether 154; Polybrominated diphenylether 183; Polybrominated diphenylether 209; total Hexabromocyclododecane; hexachlorobenzene; dichlorodiphenyldichloroethylene; dichlorodiphenyltrichloroethan; Perfluorooctanoic acid (PFOA); Perfluorooctane sulfonic acid (PFOS)

Member State	Data provider	Data collection name	Substance(s) covered by the monitoring programme
Belgium	VITO/PIH	FLEHS 2 adults	Perfluorooctanoic acid (PFOA); Perfluorooctane sulfonic acid (PFOS)
		FLEHS 2 newborns	Polychlorinated Biphenyls (PCB) Polybrominated diphenylether 153; Polybrominated diphenylether 154; Polybrominated diphenylether 183; Polybrominated diphenylether 209; Hydroxylated Polychlorinated biphenyl 107; Hydroxylated Polychlorinated biphenyl 146; Hydroxylated Polychlorinated biphenyl 187; total Hexabromocyclododecane; hexachlorobenzene; dichlorodiphenyldichloroethylene; dichlorodiphenyltrichloroethane; Perfluorooctanoic acid (PFOA); Perfluorooctane sulfonic acid (PFOS)
		FLEHS 3 adolescents	Polychlorinated Biphenyls (PCB) Polybrominated diphenylether 153; Polybrominated diphenylether 154; Polybrominated diphenylether 183; beta-hexachlorocyclohexane; cis-nonachlor; gamma-hexachlorocyclohexane (lindane); hexachlorobenzene; oxychlorane; dichlorodiphenyldichloroethylene; dichlorodiphenyltrichloroethane; trans-nonachlor
		FLEHS 3 adolescents Ghent harbour	Polychlorinated Biphenyls (PCB) Polybrominated diphenylether 153; Polybrominated diphenylether 154; Polybrominated diphenylether 183; beta-hexachlorocyclohexane; cis-nonachlor; gamma-hexachlorocyclohexane (lindane); hexachlorobenzene; oxychlorane; dichlorodiphenyldichloroethylene; dichlorodiphenyltrichloroethane; trans-nonachlor
		FLEHS 3 adults	Polychlorinated Biphenyls (PCB) Polybrominated diphenylether 153; Polybrominated diphenylether 154; Polybrominated diphenylether 183; beta-hexachlorocyclohexane; cis-nonachlor; gamma-hexachlorocyclohexane (lindane); hexachlorobenzene; oxychlorane; dichlorodiphenyldichloroethylene; dichlorodiphenyltrichloroethane; Perfluorooctanoic acid (PFOA); Perfluorooctane sulfonic acid (PFOS); trans-nonachlor
		FLEHS 3 newborns	Polychlorinated Biphenyls (PCB) Polybrominated diphenylether 153; Polybrominated diphenylether 154; Polybrominated diphenylether 183; beta-hexachlorocyclohexane; cis-nonachlor; gamma-hexachlorocyclohexane (lindane); hexachlorobenzene; oxychlorane; dichlorodiphenyldichloroethylene; dichlorodiphenyltrichloroethane; Perfluorooctanoic acid (PFOA); Perfluorooctane sulfonic acid (PFOS); trans-nonachlor
Finland	European Environment Agency (EEA)	Waterbase - Lakes (hazardous substances)	Aldrin, chlordecone, dieldrin, endrin, HCB, HCBd

Member State	Data provider	Data collection name	Substance(s) covered by the monitoring programme
Finland	European Environment Agency (EEA)	Waterbase - Rivers (hazardous substances)	Aldrin, beta-HCH, chlordecone, dicofol, dieldrin, endrin, heptachlor, HCB, HCBD
		Waterbase - Transitional, Coastal, Marine (hazardous substances)	gamma-HCH, HCB
	FIOH	OCCUP_PFAS - Firefighters' exposure to Firefighting foams in Finland	PFOS, PFOA, PFHxS
France	Agency for Biodiversity (AFB)	NAIADES	Polychlorinated Biphenyls (PCB); Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF); All
	Institut national de la santé et de la recherche médicale	ELFE	Polychlorinated Biphenyls (PCB); Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)
	Santé publique France	ENNS	Polychlorinated Biphenyls (PCB); Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF); Hexachlorobenzene, Alpha-Hexachlorocyclohexane
		Esteban	Polychlorinated Biphenyls (PCB); Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF); HCH, PFOA, PFOS, HBCD, BDE
Germany	EEA	WISE	Polychlorinated Biphenyls (PCB); Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF); POP of the EQS Directive (2008/105/EU)
	EU COM	WISE	Polychlorinated Biphenyls (PCB); Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF); POP of the EQS Directive (2008/105/EU)
	German Environment Agency	ESB - Environmental Specimen Bank	PFOA; HBCDD
		ESB-UBA - Environmental Specimen Bank of Germany	Polychlorinated Biphenyls (PCB); Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF); Dieldrin; DecaBDE (BDE-209); HBCDD; Hexachlorobenzene; alpha-HCH; beta-HCH; gamma-HCH (Lindane); Pentachlorophenol; PFOA;
	Latvia	EC	WFD
EEA		AIRBASE	Polychlorinated Biphenyls (PCB); Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF); PAH

Member State	Data provider	Data collection name	Substance(s) covered by the monitoring programme
Latvia		WATERBASE-LAKES	Polychlorinated Biphenyls (PCB)HCB (CAS No 118-74-1), Pentachlorobenzene (CAS No 608-93-5), Hexachlorobutadiene (CAS No 87-68-3)
		WATERBASE-RIVERS	Polychlorinated Biphenyls (PCB)HCB (CAS No 118-74-1), Pentachlorobenzene (CAS No 608-93-5), Hexachlorobutadiene (CAS No 87-68-3)
		WATERBASE-TCM	Polychlorinated Biphenyls (PCB)HCB (CAS No 118-74-1), Pentachlorobenzene (CAS No 608-93-5), Hexachlorobutadiene (CAS No 87-68-3)
Lithuania	Lithuania is not providing monitoring data on POPs into IPCHEM; monitoring data on POPs are not available in IPCHEM		
Slovenia	Monitoring data on POPs are not available in IPCHEM		

Member State	Data provider	Data collection name	Substance(s) covered by the monitoring programme
Spain	The Spanish Monitoring Program on POPs (SMP-POPs) was established by the Ministry of Ecological Transition (MITECO), in accordance with the measures on environmental monitoring of the 2007 National Implementation Plan (NIP) of the Stockholm Convention (SC). The SMP-POPs was established in cooperation with two public research institutions (CSIC and CIEMAT) and began its activities in air in 2008 and has yielded a very valuable collection of data on airborne POP concentrations in 23 locations in Spain from 2008 to 2019 (and ongoing). This program, unique in temperate latitudes and beyond, provides a very good baseline for all POPs listed, for the evaluation of the current and future situation, as well as some indications about consistent differences between remote and urban sites and changes to over time, useful for modelling, source attribution and effectiveness evaluation purposes.	<p>The environmental monitoring data from the Spanish Monitoring Program on POP has not been integrated with IPCHEM but comprehensive information of the SMP-POP is available in the webpage of the Ministry for Environmental Transition. The results of the National Network for Environmental Monitoring on POPs are reported in the "INFORME ESTRATÉGICO DE LA RED NACIONAL DE VIGILANCIA AMBIENTAL DE CONTAMINANTES ORGÁNICOS PERSISTENTES (cop) 2008-2018". https://www.miteco.gob.es/es/calidad-y-evaluacion-ambiental/temas/productos-quimicos/contaminantes-organicos-persistentes-cop/plan_nacional.aspx</p> <p>The Executive Summary of the Spanish Monitoring Program on POPs (SMP-POPs) is available in the annex 8.1 (page s119-124) of the Regional Monitoring Report for Western Europe and other States Group (WEOG) which is available in the Stockholm Convention webpage: http://www.pops.int/Implementation/GlobalMonitoringPlan/MonitoringReports/tabid/525/Default.aspx</p>	<p>Polychlorinated Biphenyls (PCB); Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF); Hexachlorocyclohexanes (HCHs): α-HCH, β-HCH and γ-HCH (lindane). Hexachlorobenzene (HCB). DDT and its metabolites (DDTs): 1,1'-(2,2,2-trichloroethane-1,1-diyl)bis(4-chlorobenzene) (DDT; p,p'- and o,p'-DDT), 1,1-bis-(4-chlorophenyl)-2,2-dichloroethene (DDE; p,p'- and o,p'-DDE), 1-chloro-4-[2,2-dichloro-1-(4-chlorophenyl) ethyl]benzene (DDD; p,p'- and o,p'-DDD). Pentachlorobenzene (PeCB). Endosulfan: α- and β isomers.</p>
the Czech Republic	National Institute of Public Health, NIPH Prague	Czech Human Biomonitoring - Adult's exposure/2005	Polychlorinated Biphenyls (PCB)HCB, HCH, DDT&DDE

Member State	Data provider	Data collection name	Substance(s) covered by the monitoring programme
the Czech Republic	National Institute of Public Health, NIPH Prague	Czech Human Biomonitoring - Adult 's exposure/2007	Polychlorinated Biphenyls (PCB)HCB, HCH, DDT&DDE
		Czech Human Biomonitoring - Adult 's exposure/2015	Polychlorinated Biphenyls (PCB)HCB, HCH, DDT&DDE, BFRs, PFAS
		Czech Human Biomonitoring - Adult 's exposure/2018	Polychlorinated Biphenyls (PCB)PFAS
		Czech Human Biomonitoring - Human milk/2014	Polychlorinated Biphenyls (PCB)HCB, HCH, DDT&DDE, BFRs, PFAS
		Czech Human Biomonitoring - Human Milk/2017	Polychlorinated Biphenyls (PCB)HCB, HCH, DDT&DDE, BFRs, PFAS
the Netherlands	EC DG ENVIRONMENT	WFD	Polychlorinated Biphenyls (PCB); aldrin, chlordane, chlordecone, DDT, dieldrin, heptachlor, hexachlorobenzene, mirex, HCH, PAHs, PFOS, tetraBDE, pentaBDE, hexaBDE, chloroalkanes c10-13, pentachlorobenzene, hexachlorobutadiene, endosulfan, PCP, dicofol, HBCDD, decaBDE, PFOA
		EC-JRC	FATE
	EEA	Waterbase Lakes	Polychlorinated Biphenyls (PCB); aldrin, chlordane, chlordecone, DDT, dieldrin, endrin, heptachlor, hexachlorobenzene, HCH, PAHs, tetraBDE, pentaBDE, hexaBDE, chloroalkanes c10-13, pentachlorobenzene, hexachlorobutadiene, endosulfan, PCP, dicofol, decaBDE,
		Waterbase Rivers	Polychlorinated Biphenyls (PCB); Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF); aldrin, chlordane, chlordecone, DDT, dieldrin, endrin, heptachlor, hexachlorobenzene, mirex, toxaphene, HCH, PAHs, PFOS, tetraBDE, pentaBDE, hexaBDE, heptaBDE, chloroalkanes c10-13, pentachlorobenzene, hexachlorobutadiene, endosulfan, PCP, dicofol, decaBDE, PFOA
Waterbase TCM		aldrin, DDT, dieldrin, endrin, heptachlor, hexachlorobenzene, HCH, tetraBDE, pentaBDE, chloroalkanes c10-13, pentachlorobenzene, hexachlorobutadiene, endosulfan, PCP, decaBDE,	
		Waterquality	Polychlorinated Biphenyls (PCB); aldrin, chlordane, chlordecone, DDT, dieldrin, endrin, heptachlor, hexachlorobenzene, mirex, toxaphene, HCH, PAHs, PFOS, pentaBDE, hexaBDE, chloroalkanes c10-13, pentachlorobenzene, hexachlorobutadiene, endosulfan, PCP, dicofol, decaBDE, PFOA

Member State	Data provider	Data collection name	Substance(s) covered by the monitoring programme
the Netherlands	EFSA	EFSA MOPER	aldrin, chlordane, chlordecone, DDT, dieldrin, endrin, heptachlor hexachlorobenzene, mirex, toxaphene, HCH, pentachlorobenzene, hexachlorobutadiene, PCP, dicofol
		EFSA VMPR	aldrin, chlordane, DDT, dieldrin, endrin, heptachlor, hexachlorobenzene, mirex, HCH, toxaphene, PFOS, pentachlorobenzene, dicofol, PFOA
	German UBA	Pharms-UBA	PCP,
	NORMAN	Norman Empodat	mirex, tetraBDE, hexaBDE, heptaBDE, endosulfan, dicofol, decaBDE, PFOA

Section 5. Art. 7(4)(b)(iv) notifications on the derogation for waste treatment

In accordance with Article 7(2) of the POPs Regulation, notwithstanding Council Directive 96/59/EC on the disposal of polychlorinated biphenyls and polychlorinated terphenyls (PCB/PCT), waste consisting of, containing or contaminated by any substance listed in Annex IV to the POPs Regulation shall be disposed of or recovered, without undue delay and in accordance with Part 1 of Annex V to the POPs Regulation, in such a way as to ensure that the POP content is destroyed or irreversibly transformed so that the remaining waste and releases do not exhibit the characteristics of POPs.

As specified in Article 7(4), by way of derogation from the second paragraph of Article 7, a Member State or the competent authority designated by that Member State may, in exceptional cases, allow wastes listed in Part 2 of Annex V containing or contaminated by a substance listed in Annex IV up to concentration limits specified in Part 2 of Annex V to be otherwise dealt with in accordance with a method listed in Part 2 of Annex V, provided that the following conditions are fulfilled.

- (i) the holder concerned has demonstrated to the satisfaction of the competent authority of the Member State concerned that decontamination of the waste in relation to substances listed in Annex IV was not feasible, and that destruction or irreversible transformation of the POP content, performed in accordance with best environmental practice or best available techniques, does not represent the environmentally preferable option and the competent authority has subsequently authorised the alternative operation;
- (ii) the holder concerned has provided information on the POP content of the waste to the competent authority;
- (iii) the operation is in accordance with relevant Union legislation and with the conditions laid down in relevant additional measures referred to in paragraph 5;
- (iv) the Member State concerned has informed the other Member States, the Agency and the Commission of its authorisation and the justification for it.

The following Member States have reported granting authorisations for the treatment of waste in accordance with the derogation defined in Article 7(4): DE, IT, SE.

The table below contains information on the authorisations granted by the Member States for the treatment of waste. The notifications on the derogation of waste treatment are published in Appendix D.

Table 6. Information notified by the MS to ECHA in accordance with Art. 7(4)(b)(iv).

Substance or group of substances	Substance name (when part of a group)	EC number	CAS number	Date of permission	Country	Waste name
DDT (1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane)		200-024-3	50-29-3	08/07/2020	Italy	Soil and stones containing dangerous substances
Hexabromocyclododecane				04/02/2020	Germany	other construction and demolition wastes (including mixed wastes) containing hazardous substances
				19/10/2020	Germany	construction and demolition wastes containing PCB (for example PCB-containing sealants, PCB-containing resin-based floorings, PCB-containing sealed glazing units, PCB-containing capacitors)
Polychlorinated Biphenyls (PCB)	1,1'-Biphenyl, chloro derivs.	215-648-1	1336-36-3	30/08/2022	Germany	construction and demolition wastes containing PCB (for example PCB-containing sealants, PCB-containing resin-based floorings, PCB-containing sealed glazing units, PCB-containing capacitors)
				06/09/2022	Germany	construction and demolition wastes containing PCB (for example PCB-containing sealants, PCB-containing resin-based floorings, PCB-containing sealed glazing units, PCB-containing capacitors)

Table 6. Information notified by the MS to ECHA in accordance with Art. 7(4)(b)(iv).

Substance or group of substances	Substance name (when part of a group)	EC number	CAS number	Date of permission	Country	Waste name
Polychlorinated Biphenyls (PCB)				16/10/2019	Germany	construction and demolition wastes containing PCB (for example PCB-containing sealants, PCB-containing resin-based floorings, PCB-containing sealed glazing units, PCB-containing capacitors)
				02/05/2019	Germany	solid wastes from gas treatment
				06/06/2019	Germany	bottom ash and slag containing hazardous substances
Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)		-	-	06/04/2020	Germany	solid wastes from gas treatment
				06/04/2020	Germany	wastes from gas cleaning containing hazardous substances
				10/12/2020	Sweden	Soil and substances containing dangerous substances

Section 6. Enforcement - controls, infringements and enforcement measures

In order to ensure transparency, impartiality and consistency at the level of enforcement activities, Member States should lay down rules on penalties applicable to infringements of the POPs Regulation and ensure that they are implemented. Those penalties should be effective, proportionate and dissuasive, since non-compliance can result in damage to human health and to the environment.

The Member States are responsible for the enforcement of the POPs Regulation. In this section, the number of official controls carried out by the Member States in which the POPs regulation was covered, the number of cases of non compliance and enforcement measures are presented. The information on numbers of controls was reported by the Member States in their reports submitted under Art 13(1) of the POPs Regulation. The template for reporting the information on controls was agreed with the Forum for Exchange of Information on Enforcement.

Controls are understood as inspections, investigations, monitoring, or other enforcement measures carried out by enforcement authorities. Therefore, the number of controls takes into account the total number of enforcement related activities carried out by the Member States. Controls can relate to products (substances, mixtures and/or articles) in case of controlling some requirements (for instance restrictions on the manufacturing, placing on the market and use) and to duty holders in case of controlling other requirements (e.g. stockpiles).

Table 7. Number of official controls carried out by the Member States in which the POPs regulation was covered and the number cases of non compliance.

Year	MS that reported controls	Total number of controls in the EU in which the POPs Regulation was covered and/or enforced	Number of official controls in the EU which addressed the following requirements:			Number of cases of non-compliance found for each of the following requirements (out of the total number of controls which addressed each requirement)		
			Manufacturing, placing on the market and use (Art. 3)	Stockpiles (Art. 5)	Waste management (Art. 7)	Manufacturing, placing on the market and use (Art. 3)	Stockpiles (Art. 5)	Waste management (Art. 7)
2019	SE, PT, NL, MT, LX, LT, IT, IE, HR, FR, FI, EE, DK, DE, CZ, CY, BG, BE	2,313	1,079	2	419	50	0	4
2020	SE, PT, NL, MT, LX, LT, IE, HR, FR, FI, EE, DK, DE, CY, BG, BE	1,830	857	1	322	44	0	1
2021	PT, NL, LT, IE, FI, EE, DE, CY, BE	776	470	19	22	34	0	0
2022	PT, NL, LT, EE, DE, BE	687	353	9	5	20	2	

Note: The summed number of controls addressing the specific duties listed in the table does not have to equal the total number of controls for that year as there may also be controls of other duties under the POPs Regulation, and overlap of provisions controlled within one interaction (inspection, desktop assessment etc.). Data from the controls from the year preceding the publication of the report might be updated as new information becomes available to the Member States.

Table 8. Number of official controls in the EU which resulted in no measures or enforcement actions.

Year	MS reported controls	No measures	Verbal advice	Written advice	Public announcement	Admin. measures /orders	Withdrawal/recall of products from the market, confiscation or seizure, ban of sale/use, destruction of non-compliant products or waste	Fines	Suspension or revocation of business license	Imprisonment	Other legal enforcement action
2019	SE, PT, NL, MT, LX, LT, IT, IE, HR, FR, FI, EE, DK, DE, CZ, CY, BG, BE	854	42	551	8	78	21	1	0	0	0
2020	SE, PT, NL, MT, LX, LT, IE, HR, FR, FI, EE, DK, DE, CY, BG, BE	672	12	341	2	45	6	1	0	0	9
2021	PT, NL, LT, IE, FI, EE, DE, CY, BE	259	81	41	1	2	2	1	0	0	0
2022	PT, NL, LT, EE, DE, BE	56	143	40	0	2	0	0	0	0	11

The data provided in this table concerns the results of all POPs controls reported under "Total number of controls" and not only those on the specific duties listed on table 7.

Data from the controls in the year preceding the publication of the report might be updated as new information becomes available to the Member States.

Section 7. Sites contaminated with POPs

Pilot project to evaluate and address the presence of lindane and HCH in the EU

The European Parliament tasked the Commission with the management of a pilot project on lindane and HCH, which aimed to improve the knowledge on the situation (waste management and contamination of the environment) in the EU and contribute to the execution of the Union Implementation Plan adopted in the context of the Stockholm Convention.

The Pilot Project to Evaluate and Address the Presence of Lindane and Hexachlorocyclohexane (HCH) in the European Union was launched in January 2020, with a budget of 2 Mio EUR, and was completed by the end of 2021. The aim was to assist the Commission by compiling a detailed inventory of production sites, waste deposits, landfills and treatment centres of lindane and HCH in the EU, on one hand and by assisting public authorities at local, regional or national level confronted with lindane and HCH issues and provide them with support, expertise, advice and consultancy, on the other hand.

The main project deliverable is an inventory of sites that may have been affected by HCH. The sites in this inventory include lindane and HCH production and processing sites, waste deposits and landfills, storage facilities, and waste treatment plants. For each Member State, a report featuring a country-specific list of such sites was prepared. Other deliverables are a report about the use and legacy of HCH in the EU, and support in developing an EU wide strategy for sustainably managing HCH impacted sites.

- Project summary
- The use and legacy of HCH in the EU (A guide to identify potentially HCH impacted sites)
- Outline of a strategy to resolve the legacy of lindane production in the EU
- Summary report EU wide inventory
- Inventory of sites that are potentially impacted by HCH in EU Member States:

AT	BE	BG	CY	CZ	DE	DK	EE	EL	ES	FI	FR	HR	HU	IE	IT	LT
LU	LV	MT	NL	PL	PT	RO	SE	SI	SK							

Information provided by the Members States

The Member States can optionally include in their national report information concerning sites contaminated with POPs located in their country. The information provided by the Member States is compiled in the tables below.

The following MS have reported having in place measures to identify sites contaminated by POPs:

SI ,SE ,MT ,LV ,LT ,IE ,HR ,FR ,FI ,DK ,CZ ,CY ,BE.

The following Member states that have reported identifying sites contaminated with POPs: SE, IE, HR, FR, FI, DK, CZ, CY, BE.

Belgium

Brief description of the site	POPs in the site	Management strategy developed for the site	Further information in the NIP
Zwijndrecht (3M site)	PFOS and PFOA	<p>A descriptive soil investigation was already carried out in 2006 for the 3M site in Zwijndrecht. This showed that groundwater remediation was necessary. In 2009, OVAM declared a soil remediation project to be compliant, which included remediation of the groundwater. The aim of this remediation is to prevent the spread of groundwater contamination with PFAS. Interim reports on the progress of the remediation have been submitted in recent years. In view of new toxicological insights, 3M was urged in 2019 to carry out a new descriptive soil investigation. The aim of this soil investigation is to map out the full extent of soil and groundwater contamination on the site and the surroundings of the 3M site. The study should also provide information about the risks arising from contamination with PFAS.</p>	<p>Information will be provided through the NIP which addresses COP 8 and 9 amendments</p>

Croatia

Brief description of the site	POPs in the site	Management strategy developed for the site	Further information in the NIP
<p>Rehabilitation of the Sovjak pit - remediation is in preparation. Rehabilitation envisages extraction of floating hydrocarbons and their incineration outside Croatia, excavation of sludge / tar, its pre-treatment as preparation for transport and incineration outside Croatia, pumping of wastewater and its treatment and complete backfilling of the pit with inert material and final upper sealing with drainage system. In the sediment (tar), which is planned to be exported for incineration outside Croatia after pretreatment as preparation for transport, analyzes of composite tar samples by wells indicated the content of POPs, namely: PAHs (polycyclic aromatic hydrocarbons), expressed as total PAHs whose content consists of: benzo (a) pyrene, benzo (b) fluoranthene, benzo (k) fluoranthene and indeno (1,2,3-cd) pyrene which make up the largest share in the sum and in the range of 2712 to 7668 mg / kg ST (MDK 10), and PCBs (polychlorinated biphenyls) ranging from 24 to 78 mg / kg S.T. (MDK 1).</p>	<p>Benzo[a]pyrene, benzo[b]fluoranthene, benzo[k]fluoranthene, indeno [1,2,3-cd]pyrene</p>		

Brief description of the site	POPs in the site	Management strategy developed for the site	Further information in the NIP
<p>Remediation of soil contaminated with coke tar and oil in part chemical sections of the coke plant in Bakar by the solidification process. It was contaminated land in the area of a former industrial location which, after remediation, was given another purpose (parking or some similar purpose as an open warehouse). Contaminated land which, according to analytical data, after the analysis by an authorized laboratory was qualified as hazardous waste (concentration of PAHs > 100 mg / kg of dry matter is according to the Regulation on categories, types and classification of waste with waste catalog and lists of hazardous waste (OG 50/05) was hazardous waste) was treated in such a way that it was solidified and after the analytical data for the solidification corresponded to the concentration of PAHs that it does NOT exceed the limit value of 0.05 mg / l for non-hazardous waste , types and classification of waste with a catalog of waste and lists of hazardous waste (OG 50/05), the solidificate was returned to the excavation. We also used the conditions for a non-hazardous waste landfill because the solidification had to meet the conditions for disposal in a non-hazardous waste landfill, in accordance with the Ordinance on the methods and conditions of landfills, categories and operating conditions for landfills (OG 117/07). this <of 10 mg / kg dry matter.</p> <p>Rehabilitation works lasted from April 2008 to July 2010. A total of approximately 30,000 m3 of contaminated material has been solidified, and the rehabilitated area is 5,500 m2. After the completion of the remediation, the obligation was to carry out monitoring for three years, ie to examine the stability of the solidification by applying the criteria prescribed by HRN EN 17993: 2008. Monitoring confirmed that the average value of the concentration of polyaromatic hydrocarbons (PAHs) (obtained as the arithmetic mean of the sum for all 33 wells) meets the set remediation criteria.</p>	<p>Benzo[a]pyrene, benzo[b]fluoranthene, benzo[k]fluoranthene, indeno [1,2,3-cd]pyrene</p>	<p>Yes: Project for the implementation of remediation of contaminated soil in the area of the former Coke Plant in Bakar by the solidification procedure, Environmental Impact Study of the remediation procedure and for the purpose of monitoring the remediation area:</p>	

Brief description of the site	POPs in the site	Management strategy developed for the site	Further information in the NIP
<p>Sanation of the location of the former Electrodes and Ferroalloys Factory in Šibenik. Rehabilitation of contaminated soil that was contaminated with organic pollution, polycyclic aromatic hydrocarbons (PAHs) and mineral hydrocarbons was carried out. Excavated soil for which analyzes have shown that it is contaminated with a concentration of PAHs higher than 1000 mg / kg has been heat treated, and non-hazardous waste obtained after heat treatment has been materially recovered in the production of stone aggregate used for road maintenance. 3,910.69 m3 of excavated contaminated soil was recovered. Rehabilitation works began in 2008 when works related to the excavation and separation of hazardous non-hazardous waste were carried out. Heat treatment was completed at the end of 2013.</p>	<p>Benzo[a]pyrene, benzo[b]fluoranthene, benzo[k]fluoranthene, indeno [1,2,3-cd]pyrene</p>	<p>Yes: Environmental remediation program of the former Electrode and Ferroalloy Factory in Šibenik, Supplement to the Environmental Rehabilitation Program of the former Electrode and Ferroalloy Factory in Šibenik and study: Basic characteristics of waste in accordance with the Ordinance on methods and conditions of waste disposal, categories and working conditions for landfill (OG 117 / 07, 111/11 and 17/13).</p>	

Cyprus

Brief description of the site	POPs in the site	Management strategy developed for the site	Further information in the NIP
<p>Askarel is a contaminated site located in Limassol where soils impregnated with transformer oil (also known as Askarel Oil) containing polychlorinated biphenyl (PCBs) were buried in 1992 by the Cyprus Government in specially constructed underground reservoirs.</p>	<p>Polychlorinated biphenyl (PCBs)</p>	<p>The competent authority implements an annual monitoring program of the site which includes underground waters and surface soils sampling and PCBs analysis. The last comprehensive evaluation of the site by external experts was carried out in 2003. The competent authority is currently in the process of a second evaluation of the site by external experts.</p>	<p>Yes, National Implementation Plan of Stockholm Convention for Persistent Organic Pollutants (November 2019).</p>

Denmark

Brief description of the site	POPs in the site	Management strategy developed for the site	Further information in the NIP
Fire fighting school	PFOS	yes	
Production site	Lindane	yes	no
waste depot	Lindane	yes	

Finland

Brief description of the site	POPs in the site	Management strategy developed for the site	Further information in the NIP
Fire-fighting training areas	PFOS, PFOA	Yes	Yes, in the NIP to be published 2022. See also https://helda.helsinki.fi/handle/10138/301524 (summary in English)

Ireland

Brief description of the site	POPs in the site	Management strategy developed for the site	Further information in the NIP
Airport Site 1	Initial findings suggest contamination of water with PFOS (range 1.25 - 1000 ng/L) and PFOA (2.88-296 ng/L).	Awaiting full site risk assessment report with a view to monitoring progress towards required remediation.	Not in the current NIP.
Airport Site 2 Fire Training site	The following contamination was identified: Water (PFOS 0.0105 ug/L; PFOA 0.0105 ug/L).	The report detailing the findings was distributed to contact person at the site and published on the EPA website. A risk assessment of the site was recommended. Investigations are ongoing.	
Local authority Fire service historical fire training site Dublin.	The following contamination was identified: Soil (PFOS 0.0277 & 0.0518 mg/kg; PFOA 0.0121-0.0312 mg/kg); Water (PFOS 0.0937 ug/L; PFOA 0.0282 ug/L).	The report detailing the findings was distributed to Chief Fire Officer at the site and published on the EPA website. A risk assessment of the site was recommended. Investigations are ongoing.	Not in the current NIP. The report is available on the EPA website https://www.epa.ie/publications/monitoring--assessment/waste/monitoring-for-per--and-poly-fluoroalkyl-substances-pfas-and-brominated-flame-.php
Oil Refinery Fire Training site	The following contamination was identified: Water (PFOS - 0.0844 ug/L and 0.0484 ug/L; PFOA - 0.170 ug/L & 0.119 ug/L).	The report detailing the findings was distributed to Environmental Lead at the site and published on the EPA website. A risk assessment of the site was recommended. Investigations are ongoing.	

Brief description of the site	POPs in the site	Management strategy developed for the site	Further information in the NIP
Private drinking water wells adjacent to Airport Site 3 fire training site	Initial findings detected PFOS (range 799 - 2770 ng/L) and PFOA (175 - 650 ng/l) in 3 private drinking water wells.	Awaiting full site risk assessment report with a view to monitoring progress towards required remediation. A "do not drink" advisory was issued to the households involved.	
Update on Airport Site 1 - Surface water, groundwater and soil, pre and post construction of new runway over old fire training site	PFOS and PFOA	Work in progress- EPA have highlighted the issue to the relevant County Council. Reports have been prepared by environmental consultants on behalf of the airport authority , relating to the new runway construction and management of the contaminated soil within the construction site. Testing of groundwater and surfacewater is continuing.	Not in the current NIP
Wood preservation site	Groundwater and surface water sampling undertaken at the site in 2019 indicated Lindane contaminations in a groundwater well.	The site was used between 1998 and 2006 for the treatment and protection of wood. In 2018 approximately 33 m ³ of soil was remediated and removed off-site. The contamination has no direct environmental or health impact, and local environmental authorities are actively involved. The site is part of the "Inventory of sites that are potentially impacted by HCH in EU Member States List of sites in Ireland". The draft report from that study recommended a soil and groundwater investigation of the site to establish the size and magnitude of any contamination present.	https://www.tauw.com/projecten/resolving-hch-lindane-in-the-eu.html

Lithuania

Brief description of the site	POPs in the site	Management strategy developed for the site	Further information in the NIP
<p>Private land where POPs were illegally buried ~30-40 years ago during the destruction of adjacent pesticide storage; this contaminated site firstly identified in 2015, cleaned up in 2018 by the municipality; during excavation in 2021 new pollution source identified at this site and remediated in 2023 by the municipality.</p>	<p>DDT, DDE, Hexachlorocyclohexanes, Toxaphene</p>	<p>Yes</p>	<p>No</p>

Slovenia

Brief description of the site	POPs in the site	Management strategy developed for the site	Further information in the NIP
			<p>Measures to identify contaminated sites have been taken. A project has also been launched to identify contaminated sites, also those where are risks to soil and water and which could be potentially contaminated with POPs. Through this database of potentially polluted sites together with the application and their spatial capture will be created. The set includes many industrial and agricultural areas.</p>

Sweden

Brief description of the site	POPs in the site	Management strategy developed for the site	Further information in the NIP
<p>In 2021 approximately 85 000 sites were identified to be potentially contaminated with a wide spectrum of contaminants, including POPs. Some 1200 sites are in the highest risk class. Where liable operators or landowners can be identified, the authorities are trying to enforce the necessary action. Grants are in such cases not available. In 2021, 3159 sites in the two highest risk classes have been partly or completely remediated. At 163 sites PCB is of major concern and 23 of these are under ongoing remediation and 37 have been remediated.</p>			<p>Report No 6794: https://www.naturvardsverket.se/contentassets/aa62cc2ca0834a289e6791d47934b602/978-91-620-6794-6.pdf</p> <p>Report No 6943: https://www.naturvardsverket.se/om-oss/publikationer/6900/swedish-national-implementation-plan-for-the-stockholm-convention-on-persistent-organic-pollutants/</p>

the Czech Republic

Brief description of the site	POPs in the site	Management strategy developed for the site	Further information in the NIP
accidents (5)	PAHs, PCBs, pesticides	yes	
agricultural companies (145)	PAHs, PCBs, pesticides, herbicides	yes	
army (38)	PAHs, PCBs, pesticides	yes	
brick factories (14)	PAHs, PCBs	yes	
brownfields (21)	PAHs, PCBs, pesticides, herbicides	yes	
car wreckers (47)	PAHs, PCBs, pesticides, herbicides	yes	further information for all sites is available at SEKM3: https://www.sekm.cz/portal/
chemical plants (44)	PAHs, PCBs, pesticides, herbicides	yes	
coke ovens (10)	PAHs	yes	
distribution warehouses of fuels (18)	PAHs, PCBs	yes	
dumps, heaps (7)	PAHs	yes	

Brief description of the site	POPs in the site	Management strategy developed for the site	Further information in the NIP
gas stations (97)	PAHs	yes	
glassworks, ceramic (16)	PAHs, PCBs	yes	
industrial companies (146)	PAHs, PCBs	yes	
industrial landfills (202)	PAHs, PCBs, pesticides, herbicides	yes	
jímací území p.v. pro vodu pitnou (2)	PAHs, pesticides, herbicides	yes	
landfills (11)	PAHs, PCBs, herbicides	yes	further information for all sites is available at SEKM3: https://www.sekm.cz/portal/
manure (10)	pesticides, herbicides	yes	
mines (35)	PAHs	yes	
municipal solid waste landfills (305)	PAHs, PCBs, pesticides, herbicides	yes	
other operations (85)	PAHs, PCBs, pesticides, herbicides	yes	
packaging of bituminous mixtures (132)	PCBs, PAHs	yes	

Brief description of the site	POPs in the site	Management strategy developed for the site	Further information in the NIP
power stations (24)	PAHs, PCBs	yes	
pump stations (59)	PAHs, PCBs	yes	
repair shops (7)	PAHs	yes	
sludge ponds (9)	PCBs, PAHs	yes	
stocks of agrochemicals (51)	PCBs, pesticides, herbicides	yes	
stocks of pesticides (76)	pesticides	yes	further information for all sites is available at SEKM3: https://www.sekm.cz/portal/
stream sediments (13)	PAHs, PCBs	yes	
substations (6)	PCBs	yes	
sugar factories (5)	PCBs	yes	
timber industry (22)	PAHs	yes	
transformer stations (54)	PCBs	yes	

Brief description of the site	POPs in the site	Management strategy developed for the site	Further information in the NIP
transport terminals (34)	PAHs	yes	further information for all sites is available at SEKM3: https://www.sekm.cz/portal/

Section 8. National implementation plans

The national implementation plan (NIP) and its subsequent updates are prepared by the EU and its Member States in accordance with its obligations under the Stockholm Convention. The NIPs are publicly available in the Convention webpage:

<http://chm.pops.int/Implementation/NationalImplementationPlans/NIPTransmission/tabid/253/Default.aspx>

The Table below summarises the status of the submitted NIPs and the NIPs currently under development by the Member States.

Table 10. Information reported by the MS in their national reports concerning the status of the NIPs.

	Submitted:	Under development:
Initial NIP	SI, SE, PT, PL, NL, LX, LV, LT, IE, HR, FR, FI, ES, DK, DE, CZ, CY, BG, BE	IT
Update addressing COP 4 amendments	SE, PL, NL, LT, IE, HR, FR, FI, ES, EE, DK, DE, CZ, CY, BG, BE	SI, PT
Update addressing COP 5 amendments	SE, PL, LT, IE, HR, FR, ES, EE, DK, DE, CZ, CY, BG, BE	SI, PT, NL, FI
Update addressing COP 6 amendments	SE, PL, LT, IE, HR, ES, DK, DE, CZ, CY, BE	SI, PT, NL, FR, FI, EE, BG
Update addressing COP 7 amendments	SE, PL, LX, IE, HR, ES, DK, CZ, CY, BE	SI, PT, NL, FR, FI, EE, DE, BG
Update addressing COP 8 amendments	SE, LV, HR, ES, DK, CY, BE	SI, PT, PL, NL, IE, FR, FI, EE, DE, CZ, BG
Update addressing COP 9 amendments	SE, CY, BE	SI, PT, PL, LX, IE, ES, EE
Update addressing COP 10 amendments		PT
Update addressing COP 11 amendments		PT
Update addressing COP 12 amendments		PT

Section 9. Provision of technical and financial assistance

In accordance with Articles 12 and 13 of the Convention, the Commission and the Member States shall cooperate in providing appropriate and timely technical and financial assistance to developing countries and countries with economies in transition to assist them, upon request and within available resources and taking into account their particular needs, to develop and strengthen their capacity to fully implement their obligations under the Convention. Such support may also be channeled through Regional Centres, as identified under the Convention, non-governmental organisations or the European Chemicals Agency.

The task of regional and subregional centres (SCRCs) established by the Stockholm Convention is to provide technical assistance and to promote the transfer of technology to developing country Parties and Parties with economies in transition relating to the implementation of their obligations under the Convention. Information on their work plans and activity reports is available in the Convention website.

<http://chm.pops.int/Partners/RegionalCentres/Overview/tabid/425/Default.aspx>

Additional financial/technical assistance to third countries is also provided through multilateral channels such as the Global Environmental Facility (GEF), the Stockholm Convention Trust funds, Strategic Approach to International Chemicals Management (SAICM) Quick Start Programme, or the UN Special Programme. The financial contribution of the MS to the different instruments, as well as information about the projects founded is publicly available on the following websites:

- The GEF Projects database. Focal area: Chemicals and Waste. The GEF provides funding to assist developing countries in meeting the objectives of international environmental conventions. The GEF serves as a "financial mechanism" to the Stockholm Convention on Persistent Organic Pollutants (POPs).

https://www.thegef.org/projects-operations/database?f%5B0%5D=focal_areas%3A2206

- The SAICM Quick Start Programme Projects:

<http://www.saicm.org/QuickStartProgramme/Projects/tabid/5470/language/en-US/Default.aspx>

- The UN Special (chemical and waste) programme projects database:

<https://www.unenvironment.org/explore-topics/chemicals-waste/what-we-do/special-programme/special-programme-projects-database>

The Member States can optionally include in their national reports on implementation further information on the provision of financial and technical assistance to third countries, which is listed in the table below.

Table 11. Technical and financial assistance provided by the Member States

Member State	Type of assistance	Description of the assistance	Recipient country(ies) or regions	Period
Belgium	Contribution to Global Environmental Facility (GEF)			1994 -
	Contribution to the UNEP Special programme			2018 -
France	Bilateral assistance	The project WEEECAM: building a pioneering treatment system for electrical and electronic waste in Africa, is cofinanced by the French Facility for Global Environment (FFEM), a financing instrument that was established in 1994 by the French government after the first Earth Summit to support innovative projects generating environmental, social and economic benefits for local populations. These projects help preserve biodiversity, climate, international waters, land and the ozone layer while combating pollution.	Cameroon	2019 -
Ireland	Contribution to Global Environmental Facility (GEF)			2018 - 2022
	Contribution to the Trust Fund for the Stockholm Convention on Persistent Organic Pollutants			
Poland	Bilateral assistance	Chemicals Management in the Republic of Moldova – approximation to the EU legislation and other international standards.	Moldova	2013 - 2013
		Preparation of Moldovan public administration staff for tasks related to the process of bringing the chemicals management system closer to EU and international standards.	Moldova	2014 - 2014
		The support in developing system of sound chemicals management in Georgia, Moldova and Armenia in order to facilitate economic integration with the EU.	Georgia, Moldova, Armenia	2011 - 2011

Member State	Type of assistance	Description of the assistance	Recipient country(ies) or regions	Period
Poland	Bilateral assistance	Trainings for professionals on chemicals management and environmental protection in Armenia.	Armenia	2012 - 2013
Slovenia	Contribution to Global Environmental Facility (GEF)			2004 -
	SAICM Quick Start Programme			2006 - 2010
		A plan for a pilot project on reduction of mercury emissions from a coal combustion plan in Chelyabinsk has been drafted and start-up is being prepared for.		
		Sweden run bilateral projects to support low- and middle-income countries in the development of chemicals legislation.	Albania, Serbia, Zambia	
Sweden	Bilateral assistance	The Swedish government has a specific fund for bilateral cooperation with strategic countries in the field of environment and climate. Within this programme the Swedish EPA runs bilateral activities with inter alia Brazil, China, India, Russia, South Africa and the US focusing on capacity building of the public environmental management, environmental law, climate and air, green economy and sustainable consumption and production, environmental information and management of hazardous waste		
	Contribution to Global Environmental Facility (GEF)			
	Contribution to Stockholm Convention Regional Centres			
	Contribution to the Trust Fund for the Stockholm Convention on Persistent Organic Pollutants			
	Contribution to the UNEP Special programme			

Member State	Type of assistance	Description of the assistance	Recipient country(ies) or regions	Period
Sweden	Guidance material, website and helpdesk	<p>UNEP has elaborated guidance[1] to support countries that are on their way to introduce or update their legislation, that Sweden has supported. The Swedish Chemicals Agency has developed a series of guidance material and a webguide related to legislation and the needed institutional capacity for chemicals control. In connection to that, the Agency have a helpdesk to support colleagues from other countries that are working with updating or establishing chemicals control legislation . https://www.kemi.se/en/international-cooperation/support-for-development-of-national-chemicals-control</p> <p>[1] Development of Legal and Institutional Infrastructures for Sound Management of Chemicals and Measures for Recovering Costs of National Administration (LIRA-Guidance 2015). LIRA Guidance UNEP - UN Environment Programme Complementing material from 2018 Guidance on chemicals control contributing to national progress and safety UNEP - UN Environment Programme</p>	Global	
	Regional assistance	<p>Since 2007 the Swedish Chemicals Agency, KemI, holds international training programmes in the area of chemicals safety. To date 498 participants from 46 countries.</p>	Africa, Central/Eastern Europe, Asia and Latinamerica	

Member State	Type of assistance	Description of the assistance	Recipient country(ies) or regions	Period
Sweden		<p>Sweden has been engaged in Arctic Council work directed towards Stockholm Convention substances mainly within two of its working groups, Arctic Monitoring and Assessment Programme (AMAP) and Arctic Contaminants Action Programme (ACAP).</p> <p>The contaminants-related activities of AMAP, including those addressing human health, support activities under a number of international processes including the Stockholm Convention. AMAP data and information on temporal trends of POPs in air, biota and human media were provided for use in the WEOG (Western Europe and Others Group) regional component of the Stockholm Convention evaluation of global POPs monitoring data. Information on the presence of chemicals of emerging Arctic concern from monitoring/screening studies as well as data regarding their chemical properties has also been provided for use in reviews of new chemicals under consideration for listing under the Convention. ACAP's mission is to contribute to the efforts to reduce environmental risks and prevent pollution of the Arctic environment through pilot projects</p>		
the Czech Republic		Contribution to Global Environmental Facility (GEF)		2004 -

Member State	Type of assistance	Description of the assistance	Recipient country(ies) or regions	Period
	Contribution to Stockholm Convention Regional Centres			2008 -
	Drafting of legislation acts and trainings to implement Stockholm Convention in Bosnia and Herzegovina (UNDP)			2008 - 2016
the Czech Republic	Global Development, Review and Update of National Implementation Plans (NIPs) under the Stockholm Convention (SC) on Persistent Organic Pollutants (POPs), (UNEP/GEF)		For the complete list of beneficiaries, see: https://www.unep.org/explore-topics/chemicals-waste/what-we-do/persistent-organic-pollutants/national-implementation-0	2004 -
	Update of the National Implementation Plan in Ukraine/ Moldova (GEF/UNEP)		Ukraine, Moldova	

Section 10. Information exchange measures and awareness programmes

In accordance with Article 11(2) of the POPs Regulation, the Commission, the European Chemicals Agency and the Member States, as appropriate, shall promote and facilitate with regard to POPs:

- (a) awareness programmes, including relating to their health and environmental effects and their alternatives and on the reduction or elimination of their manufacture, use and release, especially for:
 - (i) policy- and decision-makers;
 - (ii) particularly vulnerable groups;
- (b) the provision of public information;
- (c) training, including workers, scientists, educators and technical and managerial personnel.

The Member States can optionally report on their information exchange activities under this section.

Table 13. Information exchange activities carried out by the Member States

MS	General description of the measure	Webpage (please copy and paste the URL in your browser)	Period
BE	Information shared by the federal authority	https://www.health.belgium.be/en/management-pops-belgium	
BG	On website of the Ministry of Environment and water there is public available information with regards to POPs.	https://www.moew.government.bg/bg/prevantivna-dejnost/himichni-vestestva/specifichni-himikali/uo/	
EE	Compulsory training programme for hazardous waste managers involving waste classification and POPs waste, but also chemicals legislation requirements in general (POP Regulation, REACH Regulation, CLP Regulation) and as regards to the circular economy concept		2015 -
	Quarterly seminars for permitting and enforcement officers regarding general chemicals management provisions which include also provisions related to POPs		2021 -
ES	A webpage designed to provide information to the general public about POP and the Stockholm Convention	https://www.miteco.gob.es/es/calidad-y-evaluacion-ambiental/temas/productos-quimicos/contaminantes-organicos-persistentes-cop/	
	Comunicación y Educación ante la Contaminación. Los desconocidos Contaminantes Orgánicos Persistentes (COP). A conference organised with the aim of helping experts on communication (NGOs, journalists and scientist) to divulgate information about POP		2019 - 2019

MS	General description of the measure	Webpage (please copy and paste the URL in your browser)	Period
ES	The POP Technical Group consists of representatives of the ministerial departments concerned with POP, regional governments (autonomous communities), scientists, industrial sectors and relevant non-governmental organizations (Trade Unions, consumer associations and environmentalists). More than 200 experts have participated in this Group, whose initiatives and comments have been considered throughout the development and updating the NIP. This group is also used for the exchange of information between the participants.	https://www.miteco.gob.es/es/calidad-y-evaluacion-ambiental/temas/productos-quimicos/contaminantes-organicos-persistentes-cop/	2005 -
FI	Environmental administration POPs website	www.ymparisto.fi/pop	
	4th national plan to fight against pollution by chlordecone	https://solidarites-sante.gouv.fr/IMG/pdf/plan_chlordecone_iv_fevrier_2021-2.pdf	2008 -
	National helpdesk on POP	https://pop-info.ineris.fr/	
	National phase-out plan for PCB transformers	https://www.ecologie.gouv.fr/sites/default/files/Plan_micropolluants_def_light.pdf	2001 -
	Publication of a database on polluted sites and soils - BASOL	https://www.georisques.gouv.fr/risques/pollutions-sols-sis-anciens-sites-industriels	
FR	Publication of lindane soil contamination maps	https://ree.developpement-durable.gouv.fr/themes/risques-nuisances-pollutions/pollution-des-sols/contamination-des-sols/article/la-contamination-des-sols-par-les-pesticides	
	Publication of soil contamination maps with chlordecone	https://ree.developpement-durable.gouv.fr/themes/risques-nuisances-pollutions/pollution-des-sols/contamination-des-sols/article/la-contamination-des-sols-par-les-pesticides	
	Public information on POP	https://www.ecologie.gouv.fr/polluants-organiques-persistants-pop	

MS	General description of the measure	Webpage (please copy and paste the URL in your browser)	Period
	<p>1. Klinčić, D., Dvorščak, M., Jagić, K., Mendaš, G., & Herceg Romanić, S. (2020). Levels and distribution of polybrominated diphenyl ethers in humans and environmental compartments: a comprehensive review of the last five years of research. <i>Environmental science and pollution research international</i>, 27(6), 5744–5758. https://doi.org/10.1007/s11356-020-07598-7 (scientific paper, Q2)</p> <p>2. Jagić K, Analysis of polybrominated diphenyl ethers in house dust. 4th Student Symposium doctoral studies at the Faculty of Science; Zagreb, Croatia 2020. Book of Abstracts p. 109. 220.</p> <p>3. Jagić K, Dvorščak M, Klinčić D, Analysis of persistent and toxic polybrominated diphenyl ethers in household dust samples. 18. Ruzicka days, Vukovar, Croatia 2020. Book of abstracts p. '146' 121/221.</p> <p>4. Jagić K, Klinčić D, Dvorščak M, Solvent selection for effective extraction of polybrominated diphenyl ethers from house dust samples using microwaves. XIII 'encounter young chemical engineers; Zagreb, Croatia 2020. Book of Abstracts p. 163</p>		2020 - 2020
HR	<p>2019. lectures: M, Dvorščak: Persistent organic pollutants in the environment and humans (organochlorinated and organobrominated), Professional lectures (6 in total) within the subject: Hygiene and prevention medicine for fourth grade students of the School for Nurses Vrapce Zagreb, IMI, Zagreb (21.10. - 26.11.2019.)</p>		2019 - 2019
	<p>2019. publication: M, Dvorščak: Persistent organic pollutants - from application to side effects, in: <i>Scientific binoculars</i> (5. Stipicevit, ed.), IMI, Zagreb: 2019, pp.27 -35 (ISBN: 978-953-96817-7-5)</p>	2019	2019 -
	<p>2020. lectures: M. Dvorščak: Persistent Organic Pollutants - From Application to Side Effects, County expert council for biology teachers in vocational schools of the City of Zagreb, Crafts School for personal services, Zagreb (2.3.2020). M, Dvorscak: Coexistence with polybrominated diphenyl ethers, County Teachers' Expert Council of Biology of the City of Zagreb, 05 J. J 'Strossmayera, Zagreb (8.7.2020). M. Dvorščak: Polybrominated diphenylethers - how are we exposed to them? colloquium IMI (2.12.2020).</p>		2020 - 2020
	<p>Project: Development, validation and application of analytical methods for PBDE determination" (DeValApp, HrZZ-UIPI - principal investigator Darija Klinčić)</p>		2020 - 2020

MS	General description of the measure	Webpage (please copy and paste the URL in your browser)	Period
	Project: "Persistent Organic Pollutants - Environmental Impact Assessment and Stability of Human Genetic Material" - institutional financing of scientific activity, 2018'-2021. - principal investigator Snježana Herceg Romanić		
	Project: "Persistent organochlorine compounds in human milk and their potential effect on the level of primary DNA damage in human cells", MSE, Croatian-Serbian bilateral cooperation, 2019- 2021,-principal investigator Snježana Herceg Romanić.		2019 - 2021
HR	Publication: A. Stojić, M. Matek Sarić, S. Herceg Romanić, "Shapley Additive Explanations of Indicator PCB-138 Distribution in Breast Milk," in Sinteza 2020 - International Scientific Conference on Information Technology and Data Related Research, Belgrade, Singidunum University, Serbia, 2020, pp. 35-40. doi:10.15308/Sinteza-2020-35-40		2020 - 2020
	Publications: 1. Klinčić, D., Herceg Romanić, S., Katalinić, M., Zandona, A., Čadež, T., Matek Sarić, M., Šarić, T., & Aćimov, D. (2020). Persistent organic pollutants in tissues of farmed tuna from the Adriatic Sea. Marine pollution bulletin, 158, 111413. https://doi.org/10.1016/j.marpolbul.2020.111413 . (scientific paper Q1) 2. Klinčić, D., Herceg Romanić, S., Kljaković-Gašpić, Z., & Tičina, V. (2020). Legacy persistent organic pollutants (POPs) in archive samples of wild Bluefin tuna from the Mediterranean Sea. Marine pollution bulletin, 155, 111086. https://doi.org/10.1016/j.marpolbul.2020.111086 . (znanstveni rad, Q1)		2020 - 2020
IE	A desktop study and survey of users of PFAS-containing fire-fighting foams highlighting the potential risks to human health and the environment via their disposal and use. Key sectors using PFAS foams were identified as well as potential risks. Specific brands of PFAS containing foams were highlighted as well as incidents that involved the use of large volumes of foams in the past. The report was shared with the fire services and EPA-licensed/registered sites.	https://www.epa.ie/publications/monitoring--assessment/waste/determining-historic-and-current-pfas-levels-in-aff-in-the-republic-of-ireland.php	2021 -
	A notification letter was circulated to EPA-licensed sites outlining obligations under the EU POPs Regulation PFOA restriction		2020 -

MS	General description of the measure	Webpage (please copy and paste the URL in your browser)	Period
	<p>Guidance document and infographic for users of PFAS/PFOA fire-fighting foams highlighting the risks posed and obligations regarding its use. Factsheet and frequently asked questions document on obligations regarding reporting stockpiles of PFOA foams. The documents were shared on social media (EPA's twitter account), on the EPA's website and with key stakeholders including the fire services and EPA-licensed/registered sites.</p>	<p>https://www.epa.ie/publications/monitoring--assessment/waste/changing-nature-of-fire-fighting-foams-booklet.php https://www.epa.ie/publications/monitoring--assessment/waste/the-changing-nature-of-fire-fighting-foams-poster.php https://twitter.com/EPAIreland/status/1410631621292744706</p>	<p>2021 -</p>
	<p>In 2019 the EPA published a report "Water Quality in Ireland Report 2013 – 2018". The report is available on the EPA's website. It provides an evaluation of the ecological health of Ireland's rivers, lakes, canals, groundwater, estuaries and coastal waters. The analysis is based on the assessment of biological and environmental data collected from 2,703 surface water bodies and 514 groundwater bodies between 2013 and 2018. Section 5, outlines poor chemical status in biota linked to several chemicals including PAHs, PCBs and BFRs.</p>	<p>https://www.epa.ie/publications/monitoring--assessment/freshwater--marine/water-quality-in-ireland-2013-2018.php</p>	
IE	<p>In 2020, the EPA published Ireland's Environment 2020 - An Assessment - Report. Chapter 14 (Environment, Health and Wellbeing) addresses chemicals in the environment, including POPs.</p>	<p>https://www.epa.ie/publications/monitoring--assessment/assessment/state-of-the-environment/irelands-environment-2020---an-assessment---report.php</p>	
	<p>Presentation to and discussion with the National Directorate for Fire and Emergency Management and Chief Fire Officers on risks posed and obligations re. PFOA in fire-fighting foams</p>		<p>2020 -</p>
	<p>Provision of information on POPs to EPA's enforcement personnel with the aim of enhancing awareness of POPs and EU reporting requirements - information leaflet and presentations provided.</p>		<p>2020 -</p>
	<p>Publically accessible EPA POPs webpage was updated and PFAS webpage was developed. Both are updated on an ongoing basis.</p>		
	<p>Report on analysis of landfill leachate for POPs - made available with summary on on publically accessible. Report also shared with (i) EPA enforcement personnel for the individual landfills involved; (ii) EPA drinking water enforcement personnel; (iii) management for each landfill; and (iv) Irish Water.</p>	<p>https://www.epa.ie/publications/monitoring--assessment/waste/pops-in-landfill-leachate-final-report.php</p>	<p>2021 -</p>

MS	General description of the measure	Webpage (please copy and paste the URL in your browser)	Period
	Report on the analysis of water, soil and vegetation for PFOS, PFOA and PBDEs at 2 airport, 1 local authority fire service and 1 industrial fire training site - made available with summary on publically accessible website. Report also shared with (i) EPA enforcement personnel for the industrial site; (ii) EPA drinking water enforcement personnel; (iii) Chief Fire Officer at Fire Service Site; and (iv) Irish Water.	https://www.epa.ie/publications/monitoring--assessment/waste/monitoring-for-per--and-poly-fluoroalkyl-substances-pfas-and-brominated-flame-.php	2021 -
	"See it? Say it!" application for reporting environmental pollution, including backyard burning, is available to the public on an ongoing basis.	https://apps.apple.com/ie/app/see-it-say-it/id573916383	
	The EPA funded the ELEVATE research project that investigated human exposure to a selection of PFAS (including PFOS and PFOA) and brominated flame retardants (BFRs). Indoor air and dust from homes, cars, school classrooms and offices was analysed as well as drinking water (tap & bottled water) and human milk samples. The project report and project highlights video were published on the EPA website and social media. Four research papers relating to this project were published in peer-reviewed scientific journals.	https://www.epa.ie/publications/research/environment--health/research-343.php https://twitter.com/EPAResearchNews/status/1309138431000403974	2016 - 2020
IE	The EPA funded the FUEL research project investigated the risks posed from BFRs and PFAS in landfills. Landfill leachate and the surrounding air, soil & groundwater were investigated. The project report and project highlights video were published on the EPA website and social media. Three research papers relating to this project were published in peer-reviewed scientific journals.	https://www.epa.ie/publications/research/environment--health/research-345.php https://twitter.com/EPAResearchNews/status/1311284323568541703	2016 - 2020
	The EPA funded the SAFER research project in 2019 to determine the levels of novel BFRs in waste plastics, the shifts in concentrations of POP-BFRs resulting from their regulatory restrictions, and the implications this may have on any hazardous chemical screening processes. This project is due to be completed in 2022. There is a project webpage and social media page and the project team have presented the findings to date The 18th International Symposium on Waste Management and Sustainable Landfilling".	http://www.nuigalway.ie/safer/ https://twitter.com/project_safer	2019 - 2022
	The EPA funded the WAFER research project evaluated hand-held XRF for screening waste articles for exceedances of limit values for Brominated Flame Retardants. Three research papers relating to this project were published in peer-reviewed scientific journals.	https://www.epa.ie/publications/research/waste/research-272.php https://twitter.com/EPAResearchNews/status/1108034763359748096	2015 - 2019
IT	The database of prohibited substances (restricted or authorized) contains, in a homogeneous and synthetic way, the basic information of hazardous substances including Persistent Organic Pollutans.	https://bancasostanze.minambiente.it/	

MS	General description of the measure	Webpage (please copy and paste the URL in your browser)	Period
LT	<p>Actual information concerning POPs properties, formation of such substances and preventative measures against formulation, sites contaminated with POPs, information of the developments in legislation is regularly published and updated on the websites of responsible state institutions and NGOs.</p> <p>The information on POPs substances was widely communicated to the society and stakeholders in concern during several projects, seminars organized by mostly active NGO – the Baltic Environmental Forum (BEF). BEF also issued different publications, information on websites, used other media channels while constantly providing the information on POPs risks to human health, disasters related to the improper use POP substances and the release into the environment.</p> <p>The above mentioned publications and other information material (including information on the environmental and human health impact of POPs, solution of related problems in Lithuania, the EU and internationally, new POPs listed in the Stockholm Convention at the recent COPs) are available on the website of the Ministry of Environment and regularly are updated and amended.</p> <p>The information about status of soil and groundwater contamination by POP's at former pesticides storages were provided for society by means of seminars and are available on the website of the Lithuanian Geological Survey under the Ministry of Environment.</p> <p>The State Consumers Rights Protection Service (SCRPS) performs trainings for entrepreneurs and enforcers according to the annual training plans. The training for enforcement authorities are being conducted before the start of the target programme. The most recent : "The Programme for inspection of electronic sale of chemical substances, mixtures and articles". SCRPS experts frequently performs awareness raising on restricted chemicals and articles, non-compliant dangerous products through various media channels (TV, Radio, etc.).</p>	<p>https://am.lrv.lt/lt/veiklos-sritys-1/cheminiu-medziagu-valdymas/patvarieji-organiniai-tersalai-pot; http://www.lgt.lt/index.php?option=com_content&view=article&id=224&Itemid=621&lang=en; http://www.lgt.lt/uploads/1261061354_Pesticidai_2009.pdf; https://www.vvtat.lt/naujienos-ir-pranesimai-ziniasklaidai/pranesimai/379/patvirtintas-2021-m.-mokymuseminaru-verslui-planas:1774</p>	2019 - 2020
LV	<p>Latvia participates in the exchange of information with other EU Member States by participating in EU POPs meetings;</p> <p>the responsible institutions that implement the state monitoring program, ensure the preparation of informative reports;</p> <p>In 2011, a working group of ministries and competent authorities involved in the management of chemical substances was established to ensure the exchange of information</p>		

MS	General description of the measure	Webpage (please copy and paste the URL in your browser)	Period
	Publications and information materials (https://www.fitreach.eu/lv/content/kimikaliju-parvaldibas-temas) prepared within the framework of the project LIFE14 ENV / LV / 000174 "LIFE / FIT for REACH" (2015-2020) are eligible also on the management of persistent organic pollutants, and supports the awareness of both the general public and businesses on the management of hazardous substances.		
LV	Regular training of experts and inspectors from competent authorities shall also cover issues related to the management of chemicals, including persistent organic pollutants.		
	The project LIFE14 ENV / LV / 000174 "LIFE / FIT for REACH" (2015-2020) is being implemented in Latvia and one of the goals of the project is to inform companies about the inventory of chemicals and the main management principles. The responsible institutions and the general public are informed about the results achieved within the project.	(https://www.fitreach.eu/lv/content/kimikaliju-parvaldibas-temas)	2015 - 2020
PL	Providing online material on persistent organic pollutants to raise awareness of persistent organic pollutants.	https://pl.wikipedia.org/wiki/Konwencja_sztokholmska_w_sprawie_trwa%C5%82ych_zanieczyszcze%C5%84_organicznych	2014 - 2020
	Additional communication mechanisms to the public were developed, namely via website (eg PCB). APA annually prepares and makes available, on its portal, a report on PCB, based on the information contained in the National PCB Inventory	https://apambiente.pt/prevencao-e-gestao-de-riscos/inventario-nacional-de-pcb	
	An online form for reporting data on waste containing POPs is being prepared		
PT	As part of the PRTR application, a public disclosure page has been prepared in order to facilitate access and dissemination of the broadcasts.	https://apambiente.pt/avaliacao-e-gestao-ambiental/registo-de-emissoes-e-transferencia-de-poluente-prtr	
	Awareness and training, namely at the level of PCBs, included the awareness-raising obligations attributed to the managing entities of certain specific waste streams (eg used oils, end-of-life vehicles, waste electrical and electronic equipment) and respective monitoring		
	Raising awareness among producers of waste containing POPs and managing entities of certain specific flows, with regard to the obligations arising from the POPs Regulation, which led to the launch of some projects for the determination of POPs in waste.		

MS	General description of the measure	Webpage (please copy and paste the URL in your browser)	Period
	<p>The consumers get information about hazardous chemicals via labelling and if necessary supplementing information which the producers and importers have to present when marketing chemicals.</p>		
SE	<p>The websites of the Swedish Chemicals agency (KemI) and the Swedish EPA are continuously updated to provide relevant information on activities in the area of chemicals management and significant data on chemicals in both Swedish and English. KemI regularly produce information, both on its website and in leaflet form and as news letters, about the roles and responsibilities of different stakeholders, e.g. manufacturers and importers, downstream users and regional and local supervisory authorities, with regard to sound management of chemicals. POPs management is an integral part of national chemicals management.</p>		
SI	<p>general information on POPs and waste available on the website of the competent ministries</p>	<p>https://www.gov.si/teme/obstojna-organska-onesnazevala/; http://okolje.arso.gov.si/onesnazevanje_zraka/vsebine/onesnazevala-zraka; https://www.gov.si/podrocja/okolje-in-prostor/okolje/ravnanje-z-odpadki/</p>	
	<p>public awareness programmes on POPs waste</p>	<p>mostly through general information to the public on waste</p>	

Appendix A. Quantities manufactured and placed on the market per country

The table below contains information provided by the Member State Competent Authorities concerning the production, import and/or placing on the market of substances listed in Annex I or II to the POPs Regulation. The member states are not required to report information when no manufacturing, import or placing on the market has taken place, nevertheless some Member States might have included that information in their national reports, which is also reflected in the table below.

Table 12. Data reported by the Member State Competent Authorities on the production, import and/or placing on the market of substances listed in Annex I or II to the POPs Regulation.

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)			Additional information
					Manu-factured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)	
Aldrin	309-00-2		2019	Portugal	0	0.00130	0	Individual data not available but according to PT statistical institute total import of Aldrin (ISO), Chlordane (ISO) and heptachlor (ISO) = 4 kg. The individual data for each entry was estimated by dividing the tonnage value equally among the substances.
			2020	Denmark	0	0	0	
			2020	Poland	0	0.0000010	0.000000250	
			2020	Portugal	0	0.000330	0	Individual data not available but according to PT statistical institute total import of Aldrin (ISO), Chlordane (ISO) and heptachlor (ISO) = 1 kg. The individual data for each entry was estimated by dividing the tonnage value equally among the substances.

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)			Additional information
					Manu- factured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)	
Aldrin	309-00-2	2021	Portugal	0	0		Data from PT statistical institute	
		2022	Portugal	0	0		Data from PT statistical institute	
			Lithuania	0	0	0		
Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCPs)	85535-84-8	2008	Croatia		0.010	0.01120		
		2011	Croatia		4.560			
		2012	Croatia		9.120			
		2013	Croatia		4.280			
		2019	Portugal	0	Confidential	0	Data from PT Tax Authority	
		2020	Denmark	0	0	0		

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)			Additional information
					Manu-factured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)	
Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCPs)		85535-84-8	2020	Portugal	0	Confidential	0	Data from PT Tax Authority
			2020	Sweden	0	<1	<1	In this case the amount given under import was in fact traded into Sweden from within the EU
			2021	Portugal	0			Individual data not available but according to PT statistical institute total import of "Organic chemicals or preparations consisting predominantly of organic chemicals, in liquid form at 20 °C, not elsewhere specified or included" corresponding to CN Code 38249992 = 11 845 753 kg
			2022	Portugal	0			Individual data not available but according to PT statistical institute total import of "Organic chemicals or preparations consisting predominantly of organic chemicals, in liquid form at 20 °C, not elsewhere specified or included" corresponding to CN Code 38249992 = 8702 153 kg

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)			Additional information
					Manu-factured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)	
Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCPs)		85535-84-8		Lithuania	0	0	0	According to the information available in the Lithuanian database (at the Environmental Protection Agency) on chemical substances and mixtures in 2019, 2020, 2021 and 2022 there are no data on manufacturing, import and placing on the market of the chemicals listed in Annex I or II. This database contains no information on chemicals in articles.
Bis (pentabromophenyl) ether; (decabromodiphenyl ether; decaBDE)		1163-19-5	2019	Italy	0	0	Confidential	An Italian company registered DecaBDE in 2011 under the REACH Regulation with the range of 100 -1000 tonnes. Its last sale is on February 26, 2019.

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)			Additional information
					Manu-factured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)	
Bis (pentabromophenyl) ether; (decabromodiphenyl ether; decaBDE)		1163-19-5	2019	Portugal	0	9.7790	0	Individual data not available but according to PT statistical institute: Halogen derivatives with bromine from aromatic ethers (except pentabromodiphenyl ether, 1,2,4,5-tetrabromo-3,6-bis "pentabromophenoxy"benzene and 1,2-bis"2,4,6-tribromophenoxy"ethane, destined to the manufacture of acrylonitrile-butadiene-styrene) = 9779 kg. Given that the import/placing on the market of PBDEs (other than decaBDE) is prohibited (with few exemptions under RoHS), probably the imports are more likely to relate to decaBDE.
			2020	Denmark	0	0	0	
			2020	Italy	0	0	0	An Italian company registered DecaBDE in 2011 under the REACH Regulation with the range of 100 -1000 tonnes but did not produce, import or place on the market any quantities for the years 2020

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)			Additional information
					Manu-factured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)	
Bis (pentabromophenyl) ether; (decabromodiphenyl ether; decaBDE)		1163-19-5	2020	Portugal	0	14.6550	0	individual data not available but according to PT statistical institute: Halogen derivatives with bromine from aromatic ethers (except pentabromodiphenyl ether, 1,2,4,5-tetrabromo-3,6-bis "pentabromophenoxy"benzene and 1,2-bis"2,4,6-tribromophenoxy"ethane, destined to the manufacture of acrylonitrile-butadiene-styrene) = 14655 kg. Given that the import/placing on the market of PBDEs (other than decaBDE) is prohibited (with few exemptions under RoHS), probably the imports are more likely to relate to decaBDE.
			2021	Portugal	0			Import or placing on the market not reported
			2022	Portugal	0			Import or placing on the market not reported

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)			Additional information
					Manu-factured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)	
Bis (pentabromophenyl) ether; (decabromodiphenyl ether; decaBDE)		1163-19-5		Lithuania	0	0	0	According to the information available in the Lithuanian database (at the Environmental Protection Agency) on chemical substances and mixtures in 2019, 2020, 2021 and 2022 there are no data on manufacturing, import and placing on the market of the chemicals listed in Annex I or II. This database contains no information on chemicals in articles.
			2019	Portugal	0	0.00130	0	
Chlordane		57-74-9	2020	Denmark	0	0	0	Individual data not available but according to PT statistical institute total import of Aldrin (ISO), Chlordane (ISO) and heptachlor (ISO) = 4 kg. The individual data for each entry was estimated by dividing the tonnage value equally among the substances.
			2020	Portugal	0	0.000330	0	
			2021	Portugal	0			

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)			Additional information	
					Manu-factured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)		
Chlordane		57-74-9	2022	Portugal	0			Import or placing on the market not reported	
				Lithuania	0	0	0		
Chlordecone		143-50-0	2019	Portugal				Manufacture/ import or placing on the market not reported	
			2020	Denmark	0	0	0		
			2020	Poland	0	0.050	0		
			2020	Portugal					Manufacture/ import or placing on the market not reported
			2021	Portugal	0	0		Data from PT statistical institute	
			2022	Portugal	0	0		Data from PT statistical institute	
DDT (1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane)		50-29-3	2019	Portugal	0	0.00150	0	Individual data not available but according to PT statistical institute total import of Hexachlorobenzene (ISO) and DDT (ISO) = 3 kg. The individual data for each entry was estimated by dividing the tonnage value equally among the substances.	
			2020	Denmark	0	0	0		
			2020	Poland	0	0	0.000003250		

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)			Additional information
					Manu-factured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)	
DDT (1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane)	50-29-3		2020	Portugal	0	0.0010	0	Individual data not available but according to PT statistical institute total import of Hexachlorobenzene (ISO), and DDT (ISO) = 2 kg. The individual data for each entry was estimated by dividing the tonnage value equally among the substances.
			2021	Portugal	0	0.050		Individual data not available but according to PT statistical institute total import of Hexachlorobenzene (ISO), and DDT (ISO) = 100 kg. The individual data for each entry was estimated by dividing the tonnage value equally among the substances.
			2022	Portugal	0	0		Data from PT statistical institute
				Lithuania	0	0	0	
Dicofol	115-32-2		2019	Portugal				Manufacture/ import or placing on the market not reported
			2020	Denmark	0	0	0	
			2020	Portugal				Manufacture/ import or placing on the market not reported

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)			Additional information
					Manu-factured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)	
Dicofol		115-32-2	2021	Portugal	0			Individual data not available but according to PT statistical institute total import of "Aromatic cyclic alcohols and their halogenated, sulfonated, nitrated or nitrosated derivatives (except benzyl alcohol) " corresponding to CN Code 29062900 = 457 kg
			2022	Portugal	0			Individual data not available but according to PT statistical institute total import of "Aromatic cyclic alcohols and their halogenated, sulfonated, nitrated or nitrosated derivatives (except benzyl alcohol) " corresponding to CN Code 29062900 = 768 kg
				Lithuania	0	0	0	
Dieldrin		60-57-1	2019	Portugal	0	0.0010	0	Data from PT statistical institute
			2020	Denmark	0	0	0	
			2020	France		0.000050		For laboratory use
			2020	Poland	0	18.0010	0.00000050	
			2020	Portugal	0	0.0010	0	Data from PT statistical institute
			2021	Portugal	0	0		Data from PT statistical institute
			2022	Portugal	0	0.10		Data from PT statistical institute
				Lithuania	0	0	0	
Endosulfan		115-29-7	2003	Croatia	0.008680	3.9980	6.9850	

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)			Additional information
					Manu-factured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)	
Endosulfan	115-29-7		2004	Croatia	6.6930	3.2410	4.0190	
			2005	Croatia		2.2860	6.120	
			2006	Croatia		2.710	5.7050	
			2007	Croatia	1.7960	0.8280	1.3560	
			2008	Croatia			1.3890	
			2009	Croatia			0.4590	
			2019	Portugal	0	6.2740	0	Data from PT statistical institute
			2020	Poland	0	0.0030	0	
			2021	Portugal	0	8.2830		Data from PT statistical institute
			2022	Portugal	0	4.1040		According to PT statistical institute total import of " endosulfan "ISO" corresponding to CN Code 29203000 = 4 104 kg.
β-Endosulfan	33213-65-9		2020	Poland	0	0	0.0000010	
			2021	Portugal	0			Data from PT statistical institute
			2022	Portugal	0			Individual data not available but according to PT statistical institute total import of " endosulfan "ISO" corresponding to CN Code 29203000 = 4 104 kg.
α-Endosulfan	959-98-8		2020	Poland	0	0	0.0000010	
			2020	Portugal	0	2.70	0	Data from PT statistical institute

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)		Additional information
					Manu-factured	Imported (as such, in mixtures or articles)	
Endosulfan	α-Endosulfan	959-98-8	2021	Portugal	0		Individual data not available but according to PT statistical institute total import of " Esters of other inorganic non-metal acids and their salts; their halogenated, sulfonated, nitrated or nitrosated derivatives (except esters of hydrogen halides, phosphoric esters, sulfuric esters and carbon dioxide esters, thiophosphoric esters "phosphorothioates", phosphite esters and their salts and their halogenated, sulfonated, nitrated or nitrosated derivatives and endosulfan "ISO")" corresponding to CN Code 29209070 = 72 486 kg

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)			Additional information
					Manu-factured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)	
Endosulfan	α-Endosulfan	959-98-8	2022	Portugal	0			Individual data not available but according to PT statistical institute total import of " Esters of other inorganic non-metal acids and their salts; their halogenated, sulfonated, nitrated or nitrosated derivatives (except esters of hydrogen halides, phosphoric esters, sulfuric esters and carbon dioxide esters, thiophosphoric esters "phosphorothioates", phosphite esters and their salts and their halogenated, sulfonated, nitrated or nitrosated derivatives and endosulfan "ISO")" corresponding to CN Code 29209070 = 72 902 kg.
			2020	Denmark	0	0	0	
				Lithuania	0	0	0	
			2019	Portugal	0	0.0010	0	
Endrin		72-20-8	2020	Denmark	0	0	0	
			2020	Poland	0	0	0.00000150	
			2020	Portugal	0	0.0010	0	Data from PT statistical institute
			2021	Portugal	0	0		Data from PT statistical institute
			2022	Portugal	0	3.0		Data from PT statistical institute
				Lithuania	0	0	0	

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)			Additional information
					Manu-factured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)	
Heptabromodiphenyl ether	Diphenyl ether, heptabromo derivative	68928-80-3	2019	Portugal	0	0	0	Individual data not available but according to PT statistical institute: Halogen derivatives with bromine from aromatic ethers (except pentabromodiphenyl ether, 1,2,4,5-tetrabromo-3,6-bis "pentabromophenoxy"benzene and 1,2-bis"2,4,6-tribromophenoxy"ethane, destined to the manufacture of acrylonitrile-butadiene-styrene) = 9779 kg. Given that the import/placing on the market of PBDEs (other than decaBDE) is prohibited (with few exemptions under RoHS), probably the imports are more likely to relate to decaBDE.

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)			Additional information	
					Manu-factured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)		
Heptabromodiphenyl ether	Diphenyl ether, heptabromo derivative	68928-80-3	2020	Portugal	0	0	0	Individual data not available but according to PT statistical institute: Halogen derivatives with bromine from aromatic ethers (except pentabromodiphenyl ether, 1,2,4,5-tetrabromo-3,6-bis "pentabromophenoxy"benzene and 1,2-bis"2,4,6-tribromophenoxy"ethane, destined to the manufacture of acrylonitrile-butadiene-styrene) = 14655 kg. iven that the import/placing on the market of PBDEs (other than decaBDE) is prohibited (with few exemptions under RoHS), probably the imports are more likely to relate to decaBDE.	
			2021	Portugal	0				Import or placing on the market not reported
			2022	Portugal	0				Import or placing on the market not reported
			2020	Denmark	0	0	0		

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)			Additional information
					Manu- factured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)	
Heptabromodiphenyl ether				Lithuania	0	0	0	According to the information available in the Lithuanian database (at the Environmental Protection Agency) on chemical substances and mixtures in 2019, 2020, 2021 and 2022 there are no data on manufacturing, import and placing on the market of the chemicals listed in Annex I or II. This database contains no information on chemicals in articles.
Heptachlor	Heptachlor	76-44-8	2019	Portugal	0	0.00130	0	Individual data not available but according to PT statistical institute total import of Aldrin (ISO), Chlordane (ISO) and heptachlor (ISO) = 4 kg. The individual data for each entry was estimated by dividing the tonnage value equally among the substances.
			2020	Denmark	0	0	0	
			2020	Poland	0	0.0000020	0	
			2020	Portugal	0	0.000330	0	

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)			Additional information
					Manu- factured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)	
Heptachlor	Heptachlor	76-44-8	2021	Portugal	0			Import or placing on the market not reported
			2022	Portugal	0			Import or placing on the market not reported
				Lithuania	0	0	0	
			2019	Portugal	0	1.8790	0	Data from PT statistical institute
			2020	Denmark	0	0	0	
			2020	Portugal	0	2.2530	0	Data from PT statistical institute
			2021	Portugal	0			Import or placing on the market not reported
			2022	Portugal	0			Import or placing on the market not reported
Hexabromobiphenyl	Hexabromo-1,1'-biphenyl	36355-01-8	2022	Portugal	0			Import or placing on the market not reported
				Lithuania	0	0	0	According to the information available in the Lithuanian database (at the Environmental Protection Agency) on chemical substances and mixtures in 2019, 2020, 2021 and 2022 there are no data on manufacturing, import and placing on the market of the chemicals listed in Annex I or II. This database contains no information on chemicals in articles.

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)		Additional information
					Manu-factured	Imported (as such, in mixtures or articles)	
Hexabromocyclododecane	alpha-hexabromocyclododecane	134237-50-6	2021	Portugal	0		Individual data not available but according to PT statistical institute total import of "Halogenated derivatives of cyclanic, cyclenic or cycloterpene hydrocarbons (except 1,2,3,4,5,6-hexachlorocyclohexane (HCH "ISO"), including lindane "ISO, DCI", aldrin (ISO), chlorodane (ISO), heptachlor (ISO), mirex (ISO), 1,2-dibromo-4-"1,2-dibromoethyl" cyclohexane and tetrabromocyclooctanes) = 1 kg"
			2022	Portugal	0		Individual data not available but according to PT statistical institute total import of "Halogenated derivatives of cyclanic, cyclenic or cycloterpene hydrocarbons (except 1,2,3,4,5,6-hexachlorocyclohexane (HCH "ISO"), including lindane "ISO, DCI", aldrin (ISO), chlorodane (ISO), heptachlor (ISO), mirex (ISO), 1,2-dibromo-4-"1,2-dibromoethyl" cyclohexane and tetrabromocyclooctanes)" = 4 kg"

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)		Additional information
					Manu-factured	Imported (as such, in mixtures or articles)	
Hexabromocyclododecane	beta-hexabromocyclododecane	134237-51-7	2021	Portugal	0		Individual data not available but according to PT statistical institute total import of "Halogenated derivatives of cyclanic, cyclenic or cycloterpene hydrocarbons (except 1,2,3,4,5,6-hexachlorocyclohexane (HCH "ISO"), including lindane "ISO, DCI", aldrin (ISO), chlorodane (ISO), heptachlor (ISO), mirex (ISO), 1,2-dibromo-4-"1,2-dibromoethyl" cyclohexane and tetrabromocyclooctanes) = 1 kg"
			2022	Portugal	0		Individual data not available but according to PT statistical institute total import of "Halogenated derivatives of cyclanic, cyclenic or cycloterpene hydrocarbons (except 1,2,3,4,5,6-hexachlorocyclohexane (HCH "ISO"), including lindane "ISO, DCI", aldrin (ISO), chlorodane (ISO), heptachlor (ISO), mirex (ISO), 1,2-dibromo-4-"1,2-dibromoethyl" cyclohexane and tetrabromocyclooctanes)" = 4 kg"

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)		Additional information
					Manu-factured	Imported (as such, in mixtures or articles)	
Hexabromocyclododecane	gamma-hexabromocyclododecane	134237-52-8	2021	Portugal	0		Individual data not available but according to PT statistical institute total import of "Halogenated derivatives of cyclanic, cyclenic or cycloterpene hydrocarbons (except 1,2,3,4,5,6-hexachlorocyclohexane (HCH "ISO"), including lindane "ISO, DCI", aldrin (ISO), chlorodane (ISO), heptachlor (ISO), mirex (ISO), 1,2-dibromo-4-"1,2-dibromoethyl" cyclohexane and tetrabromocyclooctanes) = 1 kg"
			2022	Portugal	0		Individual data not available but according to PT statistical institute total import of "Halogenated derivatives of cyclanic, cyclenic or cycloterpene hydrocarbons (except 1,2,3,4,5,6-hexachlorocyclohexane (HCH "ISO"), including lindane "ISO, DCI", aldrin (ISO), chlorodane (ISO), heptachlor (ISO), mirex (ISO), 1,2-dibromo-4-"1,2-dibromoethyl" cyclohexane and tetrabromocyclooctanes)" = 4 kg
			2010	Germany		>1000 tonnes	Cease of manufacture in 2021

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)			Additional information
					Manu- factured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)	
Hexabromocyclododecane		25637-99-4	2021	Portugal	0	0.0010		Individual data not available but according to PT statistical institute total import of "Halogenated derivatives of cyclanic, cyclenic or cycloterpene hydrocarbons (except 1,2,3,4,5,6-hexachlorocyclohexane (HCH "ISO"), including lindane "ISO, DCI", aldrin (ISO), chlorodane (ISO), heptachlor (ISO), mirex (ISO), 1,2-dibromo-4-"1,2-dibromoethyl" cyclohexane and tetrabromocyclooctanes) = 1 kg"
			2022	Portugal	0	0.0040		Individual data not available but according to PT statistical institute total import of "Halogenated derivatives of cyclanic, cyclenic or cycloterpene hydrocarbons (except 1,2,3,4,5,6-hexachlorocyclohexane (HCH "ISO"), including lindane "ISO, DCI", aldrin (ISO), chlorodane (ISO), heptachlor (ISO), mirex (ISO), 1,2-dibromo-4-"1,2-dibromoethyl" cyclohexane and tetrabromocyclooctanes)" = 4 kg
	1,2,5,6,9,10-hexabromocyclodecane	3194-55-6	2019	Portugal				Manufacture/ import or placing on the market not reported
			2020	Portugal	0	0	0	Data from PT statistical institute

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)			Additional information
					Manu- factured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)	
Hexabromocyclododecane	1,2,5,6,9,10-hexabromocyclodecane	3194-55-6	2021	Portugal	0			Individual data not available but according to PT statistical institute total import of "Halogenated derivatives of cyclanic, cyclenic or cycloterpene hydrocarbons (except 1,2,3,4,5,6-hexachlorocyclohexane (HCH "ISO"), including lindane "ISO, DCI", aldrin (ISO), chlorodane (ISO), heptachlor (ISO), mirex (ISO), 1,2-dibromo-4-"1,2-dibromoethyl" cyclohexane and tetrabromocyclooctanes) = 1 kg"
			2022	Portugal	0			Individual data not available but according to PT statistical institute total import of "Halogenated derivatives of cyclanic, cyclenic or cycloterpene hydrocarbons (except 1,2,3,4,5,6-hexachlorocyclohexane (HCH "ISO"), including lindane "ISO, DCI", aldrin (ISO), chlorodane (ISO), heptachlor (ISO), mirex (ISO), 1,2-dibromo-4-"1,2-dibromoethyl" cyclohexane and tetrabromocyclooctanes)" = 4 kg
			2019	Italy	0	0	0	An Italian company registered HBCDD in 2010 under the REACH Regulation but did not produce, import or place on the market any quantities for the years 2019. The registration has been deleted in 2021.

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)			Additional information
					Manu-factured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)	
Hexabromocyclododecane			2020	Denmark	0	0	0	An Italian company registered HBCDD in 2010 under the REACH Regulation but did not produce, import or place on the market any quantities for the years 2020. The registration has been deleted in 2021. CN 2903 89 80 - no differentiation acc. the EC number possible According to the information available in the Lithuanian database (at the Environmental Protection Agency) on chemical substances and mixtures in 2019, 2020, 2021 and 2022 there are no data on manufacturing, import and placing on the market of the chemicals listed in Annex I or II. This database contains no information on chemicals in articles.
			2020	Italy	0	0	0	
			2020	Poland	0	0.4520	0	
				Lithuania	0	0	0	

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)			Additional information
					Manu-factured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)	
Hexabromodiphenyl ether	Diphenyl ether, hexabromo derivative	36483-60-0	2019	Portugal	0	0	0	Individual data not available but according to PT statistical institute: Halogen derivatives with bromine from aromatic ethers (except pentabromodiphenyl ether, 1,2,4,5-tetrabromo-3,6-bis "pentabromophenoxy"benzene and 1,2-bis"2,4,6-tribromophenoxy"ethane, destined to the manufacture of acrylonitrile-butadiene-styrene) = 9779 kg. Given that the import/placing on the market of PBDEs (other than decaBDE) is prohibited (with few exemptions under RoHS), probably the imports are more likely to relate to decaBDE.

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)			Additional information	
					Manu- factured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)		
Hexabromodiphenyl ether	Diphenyl ether, hexabromo derivative	36483-60-0	2020	Portugal	0	0	0	Individual data not available but according to PT statistical institute: Halogen derivatives with bromine from aromatic ethers (except pentabromodiphenyl ether, 1,2,4,5-tetrabromo-3,6-bis "pentabromophenoxy"benzene and 1,2-bis"2,4,6-tribromophenoxy"ethane, destined to the manufacture of acrylonitrile-butadiene-styrene) = 14655 kg. iven that the import/placing on the market of PBDEs (other than decaBDE) is prohibited (with few exemptions under RoHS), probably the imports are more likely to relate to decaBDE.	
			2022	Portugal	0				Import or placing on the market not reported
			2020	Denmark	0	0	0		
			2021	Portugal	0				Import or placing on the market not reported

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)			Additional information
					Manu-factured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)	
Hexabromodiphenyl ether				Lithuania	0	0	0	According to the information available in the Lithuanian database (at the Environmental Protection Agency) on chemical substances and mixtures in 2019, 2020, 2021 and 2022 there are no data on manufacturing, import and placing on the market of the chemicals listed in Annex I or II. This database contains no information on chemicals in articles.
Hexachlorobenzene	118-74-1		2019	Portugal	0	0.00150	0	Individual data not available but according to PT statistical institute total import of Hexachlorobenzene (ISO) and DDT (ISO) = 3 kg. The individual data for each entry was estimated by dividing the tonnage value equally among the substances.
			2020	Denmark	0	0	0	
			2020	Poland	0	0.0000010	0.000000250	
			2020	Portugal	0	0.0010	0	Individual data not available but according to PT statistical institute total import of Hexachlorobenzene (ISO), and DDT (ISO) = 2 kg. The individual data for each entry was estimated by dividing the tonnage value equally among the substances.
			2020	Sweden		<1	<1	

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)			Additional information	
					Manu-factured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)		
Hexachlorobenzene	118-74-1		2021	Portugal	0	0.050		Individual data not available but according to PT statistical institute total import of Hexachlorobenzene (ISO), and DDT (ISO) = 100 kg. The individual data for each entry was estimated by dividing the tonnage value equally among the substances.	
			2022	Portugal	0	0			Data from PT statistical institute
				Lithuania	0	0	0		According to the information available in the Lithuanian database (at the Environmental Protection Agency) on chemical substances and mixtures in 2019, 2020, 2021 and 2022 there are no data on manufacturing, import and placing on the market of the chemicals listed in Annex I or II. This database contains no information on chemicals in articles.
			2019	Portugal					Manufacture/ import or placing on the market not reported
Hexachlorobutadiene	87-68-3		2020	Denmark	0	0	0		
			2020	Poland	0	0.3830	0		
			2020	Portugal					Manufacture/ import or placing on the market not reported
	2021	Portugal	0				Import or placing on the market not reported		

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)			Additional information
					Manu- factured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)	
			2022	Portugal	0			Import or placing on the market not reported
Hexachlorobutadiene		87-68-3		Lithuania	0	0	0	According to the information available in the Lithuanian database (at the Environmental Protection Agency) on chemical substances and mixtures in 2019, 2020, 2021 and 2022 there are no data on manufacturing, import and placing on the market of the chemicals listed in Annex I or II. This database contains no information on chemicals in articles.
			2020	Poland	0	0	0.000001750	
Hexachlorocyclohexanes, including lindane	(1 α ,2 α ,3 β ,4 α ,5 β ,6 β)-1,2,3,4,5,6-hexachlorocyclohexane	319-84-6	2021	Portugal	0	0		Data from PT statistical institute
			2022	Portugal	0	0		Data from PT statistical institute

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)			Additional information
					Manu- factured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)	
Hexachlorocyclohexanes, including lindanes	(1 α ,2 β ,3 α ,4 β ,5 α ,6 β)-1,2,3,4,5,6-hexachlorocyclohexane	319-85-7	2020	Poland	0	0	0.00000020	
			2021	Portugal	0	0		Data from PT statistical institute
	2022	Portugal	0	0		Data from PT statistical institute		
	2005	Croatia			0.0650			
	γ -HCH or γ -BHC	58-89-9	2019	Portugal	0	0.0030	0	Data from PT statistical institute
			2020	Portugal	0	0.0030	0	Data from PT statistical institute
2021			Portugal	0	0		Data from PT statistical institute	
2022			Portugal	0	0		Data from PT statistical institute	
BHC or HCH	608-73-1	2020	Poland	0	0.0020	0	CN 2903 81 00; HCH (ISO)	

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)			Additional information	
					Manu- factured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)		
Hexachlorocyclohexanes, including lindane	BHC or HCH	608-73-1	2021	Portugal	0	0		Data from PT statistical institute	
			2022	Portugal	0	0		Data from PT statistical institute	
			2020	Denmark	0	0	0		
				Lithuania	0	0	0		
Mirex		2385-85-5	2019	Portugal				Manufacture/ import or placing on the market not reported	
			2020	Denmark	0	0	0		
			2020	Portugal					Manufacture/ import or placing on the market not reported
			2021	Portugal	0	0		Data from PT statistical institute	
			2022	Portugal	0	0		Data from PT statistical institute	
				Lithuania	0	0	0		
Pentabromodiphenyl ether	Diphenyl ether, pentabromo derivative	32534-81-9	2019	Portugal		0		Data from PT statistical institute	
			2020	Portugal				Manufacture/ import or placing on the market not reported	
			2021	Portugal	0			Import or placing on the market not reported	

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)			Additional information
					Manu-factured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)	
	Diphenyl ether, pentabromo derivative	32534-81-9	2022	Portugal	0			Import or placing on the market not reported
			2020	Denmark	0	0	0	
Pentabromodiphenyl ether				Lithuania	0	0	0	According to the information available in the Lithuanian database (at the Environmental Protection Agency) on chemical substances and mixtures in 2019, 2020, 2021 and 2022 there are no data on manufacturing, import and placing on the market of the chemicals listed in Annex I or II. This database contains no information on chemicals in articles.
			2019	Portugal		0		
Pentachlorobenzene		608-93-5	2020	Denmark	0	0	0	
			2020	Poland	0	1.1040	0	
			2020	Portugal		0		Data from PT statistical institute
			2021	Portugal	0	0		Data from PT statistical institute
			2022	Portugal	0	0.0010		Data from PT statistical institute
				Lithuania	0	0	0	

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)		Additional information
					Manu-factured	Imported (as such, in mixtures or articles)	
Pentachlorophenol and its salts and esters	Sodium pentachlorophenolate	131-52-2	2021	Portugal	0	0.20350	Individual data not available but according to PT statistical institute total import of "Aromatic cyclic alcohols and their halogenated, sulfonated, nitrated or nitrosated derivatives (except benzyl alcohol) = 407 kg". The individual data for each entry was estimated by dividing the tonnage value equally among the substances.
			2022	Portugal	0	0.2060	Individual data not available but according to PT statistical institute total import of "Aromatic cyclic alcohols and their halogenated, sulfonated, nitrated or nitrosated derivatives (except benzyl alcohol) = 412 kg".The individual data for each entry was estimated by dividing the tonnage value equally among the substances.
	Pentachlorophenyl laurate	3772-94-9	2021	Portugal	0		Individual data not available but according to PT statistical institute total import of "Lauric acid, its salts and esters" corresponding to CN Code 29159030 = 81 277 kg. The individual data for each entry was estimated by dividing the tonnage value equally among the substances.

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)		Additional information
					Manu-factured	Imported (as such, in mixtures or articles)	
	Pentachlorophenyl laurate	3772-94-9	2022	Portugal	0		Individual data not available but according to PT statistical institute total import of " Lauric acid, its salts and esters" corresponding to CN Code 29159030 = 49 286 kg
Pentachlorophenol and its salts and esters	Potassium pentachlorophenolate	7778-73-6	2021	Portugal	0	0.20350	Individual data not available but according to PT statistical institute total import of "Aromatic cyclic alcohols and their halogenated, sulfonated, nitrated or nitrosated derivatives (except benzyl alcohol) = 407 kg". The individual data for each entry was estimated by dividing the tonnage value equally among the substances.
			2022	Portugal	0	0.2060	Individual data not available but according to PT statistical institute total import of "Aromatic cyclic alcohols and their halogenated, sulfonated, nitrated or nitrosated derivatives (except benzyl alcohol) = 412 kg". The individual data for each entry was estimated by dividing the tonnage value equally among the substances.
	Pentachlorophenol	87-86-5	2019	Portugal			Manufacture/ import or placing on the market not reported
			2020	Poland	0	0.000180	0

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)			Additional information
					Manu-factured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)	
Pentachlorophenol and its salts and esters	Pentachlorophenol	87-86-5	2020	Portugal				Manufacture/ import or placing on the market not reported
			2021	Portugal	0	0		Data from PT statistical institute
			2022	Portugal	0	0		Data from PT statistical institute
			2020	Denmark	0	0	0	
				Lithuania	0	0	0	According to the information available in the Lithuanian database (at the Environmental Protection Agency) on chemical substances and mixtures in 2019, 2020, 2021 and 2022 there are no data on manufacturing, import and placing on the market of the chemicals listed in Annex I or II. This database contains no information on chemicals in articles.
Perfluorooctane sulfonic acid and its derivatives (PFOS)	Heptadecafluorooctane-1-sulphonic acid	1763-23-1	2019	Portugal	0	0.0010	0	Data from PT statistical institute
			2020	Poland	0	0.0030	0	
			2020	Portugal	0	0	0	Data from PT statistical institute

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)			Additional information
					Manu- factured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)	
Perfluorooctane sulfonic acid and its derivatives (PFOS)	Heptadecafluorooctane-1-sulphonic acid	1763-23-1	2021	Portugal	0	22.3610		Data from PT statistical institute
			2022	Portugal	0	0		Data from PT statistical institute
			2019	Portugal	0	23.4590	0	Data from PT statistical institute
	Potassium heptadecafluorooctane-1-sulphonate	2795-39-3	2020	Portugal	0	0	0	Data from PT statistical institute
			2021	Portugal	0	0		Data from PT statistical institute
			2022	Portugal	0	0		Data from PT statistical institute
Lithium heptadecafluorooctanesulphonate	29457-72-5	2019	Portugal	0	0.30	0	individual data not available but according to PT statistical institute total import of Perfluorooctane sulfonic acid salts, except potassium heptadecafluorooctano-1-sulphonate and ammonium heptadecafluorooctano-1-sulphonate) = 300 kg.	

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)			Additional information
					Manu- factured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)	
	Lithium heptadecafluorooctanesulphonate	29457-72-5	2020	Poland	0	0.0020	0	Individual data not available but according to PT statistical institute total import of Perfluorooctane sulfonic acid salts, except potassium heptadecafluorooctano-1-sulphonate and ammonium heptadecafluorooctano-1-sulphonate) = 2341 kg
			2020	Portugal	0	2.3410	0	
Perfluorooctane sulfonic acid and its derivatives (PFOS)	Heptadecafluoro-N-methyloctanesulphonamide	31506-32-8	2021	Portugal	0	11.350		Data from PT statistical institute
			2022	Portugal	0	0.0560		Data from PT statistical institute
	Tetraethylammonium heptadecafluorooctanesulphonate	56773-42-3	2020	Poland	0	0.3130	0	Data from PT statistical institute
			2021	Portugal	0	0.2860		

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)			Additional information
					Manu- factured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)	
Perfluorooctane sulfonic acid and its derivatives (PFOS)	Tetraethylamm onium heptadecafluor ooctanesulphon ate	56773-42-3	2022	Portugal	0	0.2650		Data from PT statistical institute
			2020	Poland	0	1.1710	0	diethanolammonium perfluorooctane sulfonate (acc. the SC-9/12 decision)
	Heptadecafluor ooctanesulphon ic acid, compound with 2,2'- iminodiethanol (1:1)	70225-14-8	2021	Portugal	0	0.180		Data from PT statistical institute
			2022	Portugal	0	0.7610		Data from PT statistical institute
			2020	Denmark	0	0	0	

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)			Additional information
					Manu-factured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)	
Perfluorooctane sulfonic acid and its derivatives (PFOS)				Lithuania	0	0	0	According to the information available in the Lithuanian database (at the Environmental Protection Agency) on chemical substances and mixtures in 2019, 2020, 2021 and 2022 there are no data on manufacturing, import and placing on the market of the chemicals listed in Annex I or II. This database contains no information on chemicals in articles.
Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds	Triethoxy (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)silane	101947-16-4	2008	Germany	<1 tonne			NONS, no information if substance is manufactured or imported.
			2019	Finland		Confidential	Confidential	
			2020	Finland		Confidential	Confidential	
			2020	Ireland			0.00950	

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)		Additional information	
					Manu-factured	Imported (as such, in mixtures or articles)		Placed on the market (as such, in mixtures or articles)
Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-heptadecafluorodecyl acrylate	27905-45-9	2021	Ireland			0.012790	
	Pentadecafluorooctyl fluoride	335-66-0	2019	Portugal				Manufacture/ import or placing on the market not reported
			2020	Portugal				Manufacture/ import or placing on the market not reported
		Pentadecafluorooctanoic acid	335-67-1	2021	Portugal	0		Individual data not available but according to PT statistical institute total import of "saturated acyclic monocarboxylic acids and their anhydrides, halides, peroxides and peroxyacids; their halogenated, sulfonated, nitrated or nitrosated derivatives (except formic, acetic, mono-, di- or trichloroacetic, propionic, butanoic, pentanoic, palmitic, stearic acid, their salts and their esters, lauric acid, their salts and their esters, as well as , acetic anhydride) = 1 478 047 kg"

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)		Additional information	
					Manu- factured	Imported (as such, in mixtures or articles)		Placed on the market (as such, in mixtures or articles)
Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds	Pentadecafluorooctanoic acid	335-67-1	2022	Portugal	0		Individual data not available but according to PT statistical institute total import of "saturated acyclic monocarboxylic acids and their anhydrides, halides, peroxides and peroxyacids; their halogenated, sulfonated, nitrated or nitrosated derivatives (except formic, acetic, mono-, di- or trichloroacetic, propionic, butanoic, pentanoic, palmitic, stearic acid, their salts and their esters, lauric acid, their salts and their esters, as well as , acetic anhydride) = 1 342 835 kg"	
	Perfluorooctyl iodide	507-63-1	2019	France		<1	<1	for pharmaceutical products
				2020	France		<1	<1
	Heptadecafluoro-1,1,2,2-tetrahydrodecyl) trimethoxysilane	83048-65-1	2019	Latvia	0	0.02380		mixture containing 5% (w/w) of substance

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)			Additional information	
					Manu- factured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)		
	Heptadecafluor o-1,1,2,2- tetrahydrodec yl) trimethoxysilan e	83048-65-1	2020	Latvia	0	0.00480		mixture containing 5% (w/w) of substance	
	2-Propenoic acid, γ-ω- perfluoro- C8-14-alkyl esters	85631-54-5	2018	Germany		10-100 tonnes		Registration is active	
Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds	Alkyl iodides, C6-18, perfluoro	90622-71-2	2020	Germany	1-10 tonnes			Registered as OSII	
			2019	Spain			1-10	EXTINGUISHER C8 FOAM	
			2020	Denmark	0	0	0		
			2020	Sweden	0	<1	<1		In this case the amount given under import was in fact traded into Sweden from within the EU

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)			Additional information
					Manu-factured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)	
Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds				Lithuania	0	0	0	According to the information available in the Lithuanian database (at the Environmental Protection Agency) on chemical substances and mixtures in 2019, 2020, 2021 and 2022 there are no data on manufacturing, import and placing on the market of the chemicals listed in Annex I or II. This database contains no information on chemicals in articles.
			2019	Portugal				
Polychlorinated Biphenyls (PCB)	1,1'-Biphenyl, chloro derivs.	1336-36-3	2020	Portugal				Manufacture/ import or placing on the market not reported
			2021	Latvia	0	0.000001530		mixtures containing PCB as UTC, less than 0.0005% (w/w)

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)		Additional information
					Manu-factured	Imported (as such, in mixtures or articles)	
Polychlorinated Biphenyls (PCB)	1,1'-Biphenyl, chloro derivs.	1336-36-3	2021	Portugal	0		Individual data not available but according to PT statistical institute total import of "Halogenated derivatives of aromatic hydrocarbons (except chlorobenzene, o-dichlorobenzene, p-dichlorobenzene, hexachlorobenzene (ISO) and DDT (ISO) "clofenotane (INN), 1,1,1-trichloro-2,2-bis(p-chlorophenyl) ethane", pentachlorobenzene "ISO", hexabromobiphenyls and 2,3,4,5,6-pentabromoethylbenzene)" corresponding to CN Code 29039980 = 481 940 kg
			2022	Portugal	0		Individual data not available but according to PT statistical institute total import of "Halogenated derivatives of aromatic hydrocarbons (except chlorobenzene, o-dichlorobenzene, p-dichlorobenzene, hexachlorobenzene (ISO) and DDT (ISO) "clofenotane (INN), 1,1,1-trichloro-2,2-bis(p-chlorophenyl) ethane", pentachlorobenzene "ISO", hexabromobiphenyls and 2,3,4,5,6-pentabromoethylbenzene)" corresponding to CN Code 29039980 = 306 271 kg

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)			Additional information
					Manu-factured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)	
Polychlorinated Biphenyls (PCB)			2020	Denmark	0	0	0	According to the information available in the Lithuanian database (at the Environmental Protection Agency) on chemical substances and mixtures in 2019, 2020, 2021 and 2022 there are no data on manufacturing, import and placing on the market of the chemicals listed in Annex I or II. This database contains no information on chemicals in articles.
				Lithuania	0	0	0	
			2019	Latvia	0	0.57850		
Polychlorinated naphthalenes	Naphthalene, chloro derivs.	70776-03-3	2020	Portugal				Manufacture/ import or placing on the market not reported
			2021	Portugal	0			Individual data not available but according to PT statistical institute total import of "Organic chemicals or preparations consisting predominantly of organic chemicals, in liquid form at 20 °C, not elsewhere specified or included" corresponding to CN Code 38249992 = 11 845 753 kg

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)			Additional information
					Manu-factured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)	
	Naphthalene, chloro derivs.	70776-03-3	2022	Portugal	0			Individual data not available but according to PT statistical institute total import of "Organic chemicals or preparations consisting predominantly of organic chemicals, in liquid form at 20 °C, not elsewhere specified or included" corresponding to CN Code 38249992 = 8 702 153 kg
Polychlorinated naphthalenes			2020	Denmark	0	0	0	
				Lithuania	0	0	0	According to the information available in the Lithuanian database (at the Environmental Protection Agency) on chemical substances and mixtures in 2019, 2020, 2021 and 2022 there are no data on manufacturing, import and placing on the market of the chemicals listed in Annex I or II. This database contains no information on chemicals in articles.

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)		Additional information
					Manu-factured	Imported (as such, in mixtures or articles)	
Tetrabromodiphenyl ether	1,2-dibromo-4-(2,4-dibromophenoxy)benzene	189084-61-5	2021	Portugal	0		Individual data not available but according to PT statistical institute total import of Bromine-only halogenated derivatives of aromatic ethers (except pentabromodiphenyl ether, 1,2,4,5-tetrabromo-3,6-bis "pentabromophenoxy"benzene and 1,2-bis"2,4,6-tribromophenoxy"ethane, intended for to the manufacture of acrylonitrile-butadiene-styrene "ABS") - CN code: 29093038 = 29 600 kg
			2022	Portugal	0		Individual data not available but according to PT statistical institute total import of Bromine-only halogenated derivatives of aromatic ethers (except pentabromodiphenyl ether, 1,2,4,5-tetrabromo-3,6-bis "pentabromophenoxy"benzene and 1,2-bis"2,4,6-tribromophenoxy"ethane, intended for to the manufacture of acrylonitrile-butadiene-styrene "ABS") corresponding to CN code 29093038 = 38895 kg

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)		Additional information
					Manu-factured	Imported (as such, in mixtures or articles)	
Tetrabromodiphenyl ether	1,3-dibromo-2-(3,4-dibromophenoxy)benzene	189084-62-6	2021	Portugal	0		Individual data not available but according to PT statistical institute total import of Bromine-only halogenated derivatives of aromatic ethers (except pentabromodiphenyl ether, 1,2,4,5-tetrabromo-3,6-bis "pentabromophenoxy"benzene and 1,2-bis"2,4,6-tribromophenoxy"ethane, intended for to the manufacture of acrylonitrile-butadiene-styrene "ABS") - CN code: 29093038 = 29 600 kg
			2022	Portugal	0		Individual data not available but according to PT statistical institute total import of Bromine-only halogenated derivatives of aromatic ethers (except pentabromodiphenyl ether, 1,2,4,5-tetrabromo-3,6-bis "pentabromophenoxy"benzene and 1,2-bis"2,4,6-tribromophenoxy"ethane, intended for to the manufacture of acrylonitrile-butadiene-styrene "ABS") corresponding to CN code 29093038 = 38895 kg

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)		Additional information
					Manu-factured	Imported (as such, in mixtures or articles)	
Tetrabromodiphenyl ether	1,3,5-tribromo-2-(4-bromophenoxy) benzene	189084-63-7	2021	Portugal	0		Individual data not available but according to PT statistical institute total import of Bromine-only halogenated derivatives of aromatic ethers (except pentabromodiphenyl ether, 1,2,4,5-tetrabromo-3,6-bis "pentabromophenoxy"benzene and 1,2-bis"2,4,6-tribromophenoxy"ethane, intended for to the manufacture of acrylonitrile-butadiene-styrene "ABS") - CN code: 29093038 = 29 600 kg
			2022	Portugal	0		Individual data not available but according to PT statistical institute total import of Bromine-only halogenated derivatives of aromatic ethers (except pentabromodiphenyl ether, 1,2,4,5-tetrabromo-3,6-bis "pentabromophenoxy"benzene and 1,2-bis"2,4,6-tribromophenoxy"ethane, intended for to the manufacture of acrylonitrile-butadiene-styrene "ABS") corresponding to CN code 29093038 = 38895 kg
		Diphenyl ether, tetrabromo derivative	40088-47-9	2019	Portugal		

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)		Additional information
					Manu-factured	Imported (as such, in mixtures or articles)	
			2020	Portugal			Manufacture/ import or placing on the market not reported
Tetrabromodiphenyl ether	Diphenyl ether, tetrabromo derivative	40088-47-9	2021	Portugal	0	29.60	Individual data not available but according to PT statistical institute total import of Bromine-only halogenated derivatives of aromatic ethers (except pentabromodiphenyl ether, 1,2,4,5-tetrabromo-3,6-bis "pentabromophenoxy"benzene and 1,2-bis"2,4,6-tribromophenoxy"ethane, intended for to the manufacture of acrylonitrile-butadiene-styrene "ABS") - CN code: 29093038 = 29 600 kg
			2022	Portugal	0	38.8950	Individual data not available but according to PT statistical institute total import of Bromine-only halogenated derivatives of aromatic ethers (except pentabromodiphenyl ether, 1,2,4,5-tetrabromo-3,6-bis "pentabromophenoxy"benzene and 1,2-bis"2,4,6-tribromophenoxy"ethane, intended for to the manufacture of acrylonitrile-butadiene-styrene "ABS") corresponding to CN code 29093038 = 38895 kg

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)			Additional information
					Manu- factured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)	
Tetrabromodiphenyl ether	1,2-dibromo-4-(3,4-dibromophenoxy)benzene	93703-48-1	2021	Portugal	0			Individual data not available but according to PT statistical institute total import of Bromine-only halogenated derivatives of aromatic ethers (except pentabromodiphenyl ether, 1,2,4,5-tetrabromo-3,6-bis "pentabromophenoxy"benzene and 1,2-bis"2,4,6-tribromophenoxy"ethane, intended for to the manufacture of acrylonitrile-butadiene-styrene "ABS") - CN code: 29093038 = 29 600 kg
			2022	Portugal	0			Individual data not available but according to PT statistical institute total import of Bromine-only halogenated derivatives of aromatic ethers (except pentabromodiphenyl ether, 1,2,4,5-tetrabromo-3,6-bis "pentabromophenoxy"benzene and 1,2-bis"2,4,6-tribromophenoxy"ethane, intended for to the manufacture of acrylonitrile-butadiene-styrene "ABS") corresponding to CN code 29093038 = 38895 kg
			2020	Denmark	0	0	0	

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)			Additional information
					Manu-factured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)	
Tetrabromodiphenyl ether				Lithuania	0	0	0	According to the information available in the Lithuanian database (at the Environmental Protection Agency) on chemical substances and mixtures in 2019, 2020, 2021 and 2022 there are no data on manufacturing, import and placing on the market of the chemicals listed in Annex I or II. This database contains no information on chemicals in articles.
			2019	Portugal				Manufacture/ import or placing on the market not reported
			2020	Denmark	0	0	0	
			2020	Portugal				Manufacture/ import or placing on the market not reported
								Individual data not available but according to PT statistical institute total import of " Goods of heading 3808, put up in packages with a net weight content > 300 g, containing one or more of the following substances: perfluorooctane sulfonic acid and its salts;alachlor (ISO); aldicarb (ISO); aldrine (ISO); azinphos-methyl (ISO); binapacril (ISO); camphechlor (ISO) (toxaphene); capitafol (ISO); chlordane (ISO); chlordimeform (ISO); chlorobenzylate (ISO); mercury compounds; tributyltin compounds; 1,1,1-

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)		Additional information
					Manu-factured	Imported (as such, in mixtures or articles)	
Toxaphene		8001-35-2	2021	Portugal	0		<p>Compounds, 1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane); 4,6-dinitro-o-cresol (DNOC (ISO)) or its salts; dinoseb (ISO), its salts or esters; ethylene dibromide (ISO) (1,2-dibromoethane); ethylene dichloride (ISO) (1,2-dichloroethane); dieldrin (ISO, DCI); endosulfan (ISO); penta- and octabromodiphenyl ethers; fluoroacetamide (ISO); perfluorooctanesulfonyl fluoride; heptachlor (ISO); hexachlorobenzene (ISO); 1,2,3,4,5,6-hexachlorocyclohexane (HCH (ISO)), including lindane (ISO, INN); methamidophos (ISO); monocrotophos (ISO); oxirane (ethylene oxide); parathion (ISO); methyl parathion (ISO) (methyl parathion); pentachlorophenol (ISO), its salts or esters; perfluorooctane sulfonamides; phosphamidon (ISO); 2,4,5-T (ISO) (2,4,5-trichlorophenoxyacetic acid), its salts or esters, tributyltin compounds; trichlorfon (ISO) " corresponding to CN Code 38085900 = 226 718 Kg</p> <p>Individual data not available but according to PT statistical institute total import of "Goods of heading 3808, put up in packages with a net weight content > 300 g, containing one or more of the following</p>

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)		Additional information
					Manu- factured	Imported (as such, in mixtures or articles)	
Toxaphene		8001-35-2					<p>or more of the following substances: perfluorooctane sulfonic acid and its salts;alachlor (ISO); aldicarb (ISO); aldrine (ISO); azinphos-methyl (ISO); binapacril (ISO); camphechlor (ISO) (toxaphene); capitafol (ISO); chlordane (ISO); chlordimeform (ISO); chlorobenzylate (ISO); mercury compounds; tributyltin compounds; 1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane); 4,6-dinitro-o-cresol (DNOC (ISO)) or its salts; dinoseb (ISO), its salts or esters; ethylene dibromide (ISO) (1,2-dibromoethane); ethylene dichloride (ISO) (1,2-dichloroethane); dieldrin (ISO, DCI); endosulfan (ISO); penta- and octabromodiphenyl ethers; fluoroacetamide (ISO); perfluorooctanesulfonyl fluoride; heptachlor (ISO); hexachlorobenzene (ISO); 1,2,3,4,5,6-hexachlorocyclohexane (HCH (ISO)), including lindane (ISO, INN); methamidophos (ISO); monocrotophos (ISO); oxirane (ethylene oxide); parathion (ISO); methyl parathion (ISO) (methyl parathion); pentachlorophenol (ISO), its salts or esters; perfluorooctane sulfonamides; phosphamidon (ISO); 2,4,5-T (ISO) (2,4,5-trichlorophenoxyacetic acid), its</p>

Substance name or group of substances	Substance name (when member of a group)	CAS number	Year	MS	Quantities (tonnes)			Additional information
					Manu-factured	Imported (as such, in mixtures or articles)	Placed on the market (as such, in mixtures or articles)	
			2022	Portugal	0			salts or esters, tributyltin compounds; trichlorfon (ISO)"corresponding to CN Code 38085900 = 224 428 kg
				Lithuania	0	0	0	According to the information available in the Lithuanian database (at the Environmental Protection Agency) on chemical substances and mixtures in 2019, 2020, 2021 and 2022 there are no data on manufacturing, import and placing on the market of the chemicals listed in Annex I or II. This database contains no information on chemicals in articles.

Appendix A.1. Quantities per specific use and country

Additional information provided by the Member States about the uses of the substances reported in the previous section. The provision of this information is considered as optional.

Table 13. Information on tonnage per use.

Substance name or Group of Substances	Substance name (when part of a group)	CAS number	Year	Country	Use	Quantities (tonnes)			Additional information
						Manu- factured	Imported (as such, in substances or mixtures)	Placed on the market (as such, in substances or mixtures)	
Aldrin		309-00-2	2020	Poland	Laboratory scale research or reference standard	0		0.000000250	
Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCPs)		85535-84-8	2020	Sweden	Laboratory scale research or reference standard	0	<1	<1	(please note, other use and CAS number) In lubricating products and cooling agents brought in to Sweden from within the EU. The CAS no. provided was 61788-76-9.
		85535-84-8	2020	Sweden	Laboratory scale research or reference standard	0	<1	<1	(please note, other use and CAS number) Softeners and surface active agents brought in to Sweden from within the EU.
DDT (1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane)		50-29-3	2020	Poland	Laboratory scale research or reference standard	0		0.000003250	
Dieldrin		60-57-1	2020	Poland	Laboratory scale research or reference standard	0		0.00000050	

Substance name or Group of Substances	Substance name (when part of a group)	CAS number	Year	Country	Use	Quantities (tonnes)			Additional information
						Manufa- ctured	Imported (as such, in substances or mixtures)	Placed on the market (as such, in substances or mixtures)	
Endosulfan		33213-65-9	2020	Poland	Laboratory scale research or reference standard	0		0.0000010	
		959-98-8	2020	Poland	Laboratory scale research or reference standard	0		0.0000010	
Endrin		72-20-8	2020	Poland	Laboratory scale research or reference standard	0		0.00000150	
		118-74-1	2020	Poland	Laboratory scale research or reference standard	0		0.000000250	
Hexachlorobenzene		118-74-1	2020	Sweden	Laboratory scale research or reference standard	0	<1	<1	Traces of the substance only in colouring agents brought in to Sweden from within the EU
		319-84-6	2020	Poland	Laboratory scale research or reference standard	0		0.000001750	
Hexachlorocyclohexan es, including lindane		319-85-7	2020	Poland	Laboratory scale research or reference standard	0		0.00000020	
		608-73-1	2020	Poland	Laboratory scale research or reference standard	0	0.0020		
Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds			2020	Sweden	Laboratory scale research or reference standard	0	<1	<1	Very low content in plant protection agents brought in to Sweden from within the EU.

Appendix B. Stockpile notifications

Information about the specific stockpile notifications reported by the Member States is included in this section. The information is organised by substance and Member State.

Hexachlorobenzene

Spain

Code assigned to the stockpile for the report	ES0000000040
Date of Notification	19/10/2021
Substance or Group of Substances	Hexachlorobenzene
Substance member of a group	
EC number	204-273-9
CAS number	118-74-1
Stockpile type	substance
Description of the mixture (optional)	
Total mass of the stockpile (tonnes)	0.00001
Concentration of the POP in the mixture or article (mg/kg)	1,000,000
Quantity of the Substance (tonnes)	0.00001
Management Measures in place	
Intended use / article description	Laboratory scale research or reference standard
Additional information	

Perfluorooctane sulfonic acid and its derivatives (PFOS)

Germany

Code assigned to the stockpile for the report	DE0000000001
Date of Notification	22/01/2019
Substance or Group of Substances	Perfluorooctane sulfonic acid and its derivatives (PFOS)
Substance member of a group	Heptadecafluorooctanesulphonyl fluoride
EC number	206-200-6
CAS number	307-35-7
Stockpile type	substance
Description of the mixture (optional)	
Total mass of the stockpile (tonnes)	13.741
Concentration of the POP in the mixture or article (mg/kg)	
Quantity of the Substance (tonnes)	
Management Measures in place	Storage concept of the German Chemical Industry Association (VCI) according to national law on the storage of hazardous substances in mobile containers
Intended use / article description	Mist suppressants for non-decorative hard chromium (VI) plating in closed loop systems
Additional information	

Code assigned to the stockpile for the report	DE0000000002
Date of Notification	29/01/2020
Substance or Group of Substances	Perfluorooctane sulfonic acid and its derivatives (PFOS)
Substance member of a group	Heptadecafluorooctanesulphonyl fluoride
EC number	206-200-6
CAS number	307-35-7
Stockpile type	substance
Description of the mixture (optional)	
Total mass of the stockpile (tonnes)	13.741
Concentration of the POP in the mixture or article (mg/kg)	
Quantity of the Substance (tonnes)	
Management Measures in place	Storage concept of the German Chemical Industry Association (VCI) according to national law on the storage of hazardous substances in mobile containers
Intended use / article description	Mist suppressants for non-decorative hard chromium (VI) plating in closed loop systems
Additional information	

Code assigned to the stockpile for the report	DE0000000005
Date of Notification	04/02/2021
Substance or Group of Substances	Perfluorooctane sulfonic acid and its derivatives (PFOS)
Substance member of a group	Heptadecafluorooctanesulphonyl fluoride
EC number	206-200-6
CAS number	307-35-7
Stockpile type	substance
Description of the mixture (optional)	
Total mass of the stockpile (tonnes)	13.741
Concentration of the POP in the mixture or article (mg/kg)	
Quantity of the Substance (tonnes)	
Management Measures in place	Storage concept of the German Chemical Industry Association (VCI) according to national law on the storage of hazardous substances in mobile containers
Intended use / article description	Mist suppressants for non-decorative hard chromium (VI) plating in closed loop systems
Additional information	

Code assigned to the stockpile for the report	DE0000000015
Date of Notification	28/02/2022
Substance or Group of Substances	Perfluorooctane sulfonic acid and its derivatives (PFOS)
Substance member of a group	Heptadecafluorooctanesulphonyl fluoride
EC number	206-200-6
CAS number	307-35-7
Stockpile type	substance
Description of the mixture (optional)	
Total mass of the stockpile (tonnes)	13.741
Concentration of the POP in the mixture or article (mg/kg)	100
Quantity of the Substance (tonnes)	0.0013741
Management Measures in place	Measures according to SDS: Storage concept of the German Chemical Industry Association (VCI) according to national law on the storage of hazardous substances in mobile containers (shall be contained over the entire life cycle through technical measures; emissions shall be minimised using process and control technologies)
Intended use / article description	
Additional information	

Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds

Belgium

Code assigned to the stockpile for the report	BE0000000001
Date of Notification	
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	Firefighting foam
Total mass of the stockpile (tonnes)	15.82
Concentration of the POP in the mixture or article (mg/kg)	
Quantity of the Substance (tonnes)	
Management Measures in place	Waterproof storage area ; Firefighting water run off collector Firefighting water is collected and then disposed Emergency basin Collection + (local) waste water treatment plant
Intended use / article description	
Additional information	Firefighting foam

Code assigned to the stockpile for the report	BE0000000002
Date of Notification	02/07/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Ammonium pentadecafluorooctanoate
EC number	223-320-4
CAS number	3825-26-1
Stockpile type	article
Description of the mixture (optional)	
Total mass of the stockpile (tonnes)	7.67306
Concentration of the POP in the mixture or article (mg/kg)	60
Quantity of the Substance (tonnes)	0.000460384
Management Measures in place	The listed substances and related mixtures are stored on drip trays, in properly closed containers, in a ventilated warehouse at room temperature or cooled. When spillage should happen, emergency procedures are in place to avoid any release in the environment. Warehouses have pneumatic valves that can be closed when needed. Any waste is disposed of to an authorised waste handler.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	BE0000000003
Date of Notification	02/07/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Ammonium pentadecafluorooctanoate
EC number	223-320-4
CAS number	3825-26-1
Stockpile type	mixture
Description of the mixture (optional)	
Total mass of the stockpile (tonnes)	1.02542
Concentration of the POP in the mixture or article (mg/kg)	350,000
Quantity of the Substance (tonnes)	0.358897
Management Measures in place	The listed substances and related mixtures are stored on drip trays, in properly closed containers, in a ventilated warehouse at room temperature or cooled. When spillage should happen, emergency procedures are in place to avoid any release in the environment. Warehouses have pneumatic valves that can be closed when needed. Any waste is disposed of to an authorised waste handler.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	BE0000000004
Date of Notification	02/07/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	article
Description of the mixture (optional)	
Total mass of the stockpile (tonnes)	33.50406
Concentration of the POP in the mixture or article (mg/kg)	64.5
Quantity of the Substance (tonnes)	0.002161012
Management Measures in place	The listed substances and related mixtures are stored on drip trays, in properly closed containers, in a ventilated warehouse at room temperature or cooled. When spillage should happen, emergency procedures are in place to avoid any release in the environment. Warehouses have pneumatic valves that can be closed when needed. Any waste is disposed of to an authorised waste handler.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	BE0000000005
Date of Notification	02/07/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	
Total mass of the stockpile (tonnes)	0.21457
Concentration of the POP in the mixture or article (mg/kg)	252,500
Quantity of the Substance (tonnes)	0.054178925
Management Measures in place	The listed substances and related mixtures are stored on drip trays, in properly closed containers, in a ventilated warehouse at room temperature or cooled. When spillage should happen, emergency procedures are in place to avoid any release in the environment. Warehouses have pneumatic valves that can be closed when needed. Any waste is disposed of to an authorised waste handler.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	BE0000000006
Date of Notification	02/07/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	substance
Description of the mixture (optional)	
Total mass of the stockpile (tonnes)	0.2912
Concentration of the POP in the mixture or article (mg/kg)	1,000,000
Quantity of the Substance (tonnes)	0.2912
Management Measures in place	The listed substances and related mixtures are stored on drip trays, in properly closed containers, in a ventilated warehouse at room temperature or cooled. When spillage should happen, emergency procedures are in place to avoid any release in the environment. Warehouses have pneumatic valves that can be closed when needed. Any waste is disposed of to an authorised waste handler.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	BE0000000007
Date of Notification	02/07/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	article
Description of the mixture (optional)	
Total mass of the stockpile (tonnes)	46.956
Concentration of the POP in the mixture or article (mg/kg)	106.41
Quantity of the Substance (tonnes)	0.004996588
Management Measures in place	The listed substances and related mixtures are stored on drip trays, in properly closed containers, in a ventilated warehouse at room temperature or cooled. When spillage should happen, emergency procedures are in place to avoid any release in the environment. Warehouses have pneumatic valves that can be closed when needed. Any waste is disposed of to an authorised waste handler.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	BE0000000008
Date of Notification	02/07/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	substance
Description of the mixture (optional)	
Total mass of the stockpile (tonnes)	0.20121
Concentration of the POP in the mixture or article (mg/kg)	1,000,000
Quantity of the Substance (tonnes)	0.20121
Management Measures in place	The listed substances and related mixtures are stored on drip trays, in properly closed containers, in a ventilated warehouse at room temperature or cooled. When spillage should happen, emergency procedures are in place to avoid any release in the environment. Warehouses have pneumatic valves that can be closed when needed. Any waste is disposed of to an authorised waste handler.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	BE0000000009
Date of Notification	07/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	See sds of FiniFlam Royal AR 3X3 C8
Total mass of the stockpile (tonnes)	8.5
Concentration of the POP in the mixture or article (mg/kg)	
Quantity of the Substance (tonnes)	
Management Measures in place	2000 l and 3000 l in intervention cars; 24/7 presence of firefighters; other recipients are stored on leakage grids (2X200l + 1X700 kg+1X2100 kg)
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	The amount in the intervention cars is a mixture of C8 and C6, but we took the whole amount into account. (FiniFlam Royal AR 3X3 C6 +FiniFlam Royal AR 3X3 C8)

Code assigned to the stockpile for the report	BE0000000010
Date of Notification	07/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	See sds of FiniFlam Royal AR 3X3 C8
Total mass of the stockpile (tonnes)	16
Concentration of the POP in the mixture or article (mg/kg)	
Quantity of the Substance (tonnes)	
Management Measures in place	7 m ³ and 8 m ³ in storage tanks with bundwall
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	FiniFlam Royal AR 3X3 C8 (d=1,06kg/l)

Code assigned to the stockpile for the report	BE0000000011
Date of Notification	08/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	PFOA-containing fire-fighting foam
Total mass of the stockpile (tonnes)	44.1
Concentration of the POP in the mixture or article (mg/kg)	
Quantity of the Substance (tonnes)	
Management Measures in place	
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	according to safety datasheet: Perfluorinated Amphoteric Surfactant < 1%

Code assigned to the stockpile for the report	BE0000000012
Date of Notification	08/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Fire-fighting foam
Total mass of the stockpile (tonnes)	1.89
Concentration of the POP in the mixture or article (mg/kg)	0.24
Quantity of the Substance (tonnes)	0.000000452
Management Measures in place	Fire-fighting foam is stored in tank. Released liquid can be collected and processed.
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	BE0000000013
Date of Notification	08/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	3M Light Water AFFF 3%
Total mass of the stockpile (tonnes)	0.06
Concentration of the POP in the mixture or article (mg/kg)	600,000
Quantity of the Substance (tonnes)	0.036
Management Measures in place	permitted storage for small quantities dangerous products (3 drums of 20l) on containment
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	Last 3 drums of 20l. Product not any more used since 2005 and will be evacuated as dangerous waste end 2021

Code assigned to the stockpile for the report	BE0000000014
Date of Notification	12/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	
Total mass of the stockpile (tonnes)	55
Concentration of the POP in the mixture or article (mg/kg)	0.1
Quantity of the Substance (tonnes)	0.0000055
Management Measures in place	Stockpile is stored in double walled tank and isotainers
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	BE0000000015
Date of Notification	12/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	
Total mass of the stockpile (tonnes)	31
Concentration of the POP in the mixture or article (mg/kg)	0.1
Quantity of the Substance (tonnes)	0.0000031
Management Measures in place	Stockpile is stored in double walled tank
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	BE0000000016
Date of Notification	12/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	
Total mass of the stockpile (tonnes)	103
Concentration of the POP in the mixture or article (mg/kg)	0.1
Quantity of the Substance (tonnes)	0.0000103
Management Measures in place	Stockpile is stored in bunded tank and isotainers
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	BE0000000017
Date of Notification	12/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	
Total mass of the stockpile (tonnes)	3
Concentration of the POP in the mixture or article (mg/kg)	0.1
Quantity of the Substance (tonnes)	0.0000003
Management Measures in place	Stockpile is stored in IBC's
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	BE0000000018
Date of Notification	12/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	firefighting foam
Total mass of the stockpile (tonnes)	21.6
Concentration of the POP in the mixture or article (mg/kg)	
Quantity of the Substance (tonnes)	
Management Measures in place	tank storage for sprinklersystem
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	volume:20600L, weight calculated with density of 1,05

Code assigned to the stockpile for the report	BE0000000019
Date of Notification	13/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	
Total mass of the stockpile (tonnes)	420
Concentration of the POP in the mixture or article (mg/kg)	50,000
Quantity of the Substance (tonnes)	21.0
Management Measures in place	Foam stored appropriately in industrial facility and used by professional firefighters
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	Worst case estimate; stockpile given as total volume; containing 1-5% PFAS, but non-PFOA present as well; no match found in suggested CAS list

Code assigned to the stockpile for the report	BE0000000020
Date of Notification	13/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	
Total mass of the stockpile (tonnes)	0.09
Concentration of the POP in the mixture or article (mg/kg)	0
Quantity of the Substance (tonnes)	0.0
Management Measures in place	Included in fire extinguisher
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Germany

Code assigned to the stockpile for the report	DE0000000003
Date of Notification	02/08/2020
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	
Total mass of the stockpile (tonnes)	
Concentration of the POP in the mixture or article (mg/kg)	
Quantity of the Substance (tonnes)	
Management Measures in place	
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000004
Date of Notification	29/09/2020
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Water-based mixture of fluoropolymeres and additives
Total mass of the stockpile (tonnes)	2.56
Concentration of the POP in the mixture or article (mg/kg)	
Quantity of the Substance (tonnes)	
Management Measures in place	Storage concept of the German Chemical Industry Association (VCI) according to national law on the storage of hazardous substances in mobile containers
Intended use / article description	Textiles for oil- and water-repellency for the protection of workers from dangerous liquids that comprise risks to their health and safety
Additional information	

Code assigned to the stockpile for the report	DE0000000006
Date of Notification	24/03/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Composition: < 15% 1,2-Ethenediol, < 5% 2-(2-BUTOXYETHOXY)ETHANOL, < 5 % OCTYLSULFATE, < 5 % DECYLSULFATE, < 5 % ALKYL POLYGLYCOSIDE und < 5 % FLUOROSURFACTANT
Total mass of the stockpile (tonnes)	10
Concentration of the POP in the mixture or article (mg/kg)	0.4
Quantity of the Substance (tonnes)	0.000004
Management Measures in place	Storage concept of the German Chemical Industry Association (VCI) according to national law on the storage of hazardous substances in mobile containers (Conditions: dry, under lock and key; storage in a stationary (firmly cased roll-off container), closed storage container qualified according to national law for the protection of waters against substances hazardous to water released from stationary installations (AwSV))
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	alcohol-resistant; for emergency planning; calculation on fluorine compounds as a whole is incorrect, as only a range of FLUOROSURFACTANT concentration: < 5% is given in the MSDS.

Code assigned to the stockpile for the report	DE0000000007
Date of Notification	10/05/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Extinguishing agent MOUSSOL APS 3/6 F-17
Total mass of the stockpile (tonnes)	2
Concentration of the POP in the mixture or article (mg/kg)	0.22
Quantity of the Substance (tonnes)	0.00000044
Management Measures in place	Retention of substances hazardous to water according to national law for the protection of waters against substances hazardous to water released from stationary installations (AwsV).
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000008
Date of Notification	10/05/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Extinguishing agent MOUSSOL APS 3/6 F-15
Total mass of the stockpile (tonnes)	100
Concentration of the POP in the mixture or article (mg/kg)	0.65
Quantity of the Substance (tonnes)	0.000065
Management Measures in place	Retention of substances hazardous to water according to national law for the protection of waters against substances hazardous to water released from stationary installations (AwsV).
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000009
Date of Notification	10/05/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Extinguishing agent MOUSSOL APS 3/6 F-15
Total mass of the stockpile (tonnes)	50
Concentration of the POP in the mixture or article (mg/kg)	0.41
Quantity of the Substance (tonnes)	0.0000205
Management Measures in place	Retention of substances hazardous to water according to national law for the protection of waters against substances hazardous to water released from stationary installations (AwsV).
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000010
Date of Notification	10/05/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Extinguishing agent MOUSSOL APS 3/6 F-16
Total mass of the stockpile (tonnes)	8.5
Concentration of the POP in the mixture or article (mg/kg)	0.43
Quantity of the Substance (tonnes)	0.000003655
Management Measures in place	Retention of substances hazardous to water according to national law for the protection of waters against substances hazardous to water released from stationary installations (AwsV).
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000011
Date of Notification	04/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Water-based mixture of fluoropolymeres and additives
Total mass of the stockpile (tonnes)	0.8966
Concentration of the POP in the mixture or article (mg/kg)	1,000
Quantity of the Substance (tonnes)	0.0008966
Management Measures in place	Storage concept of the German Chemical Industry Association (VCI) according to national law on the storage of hazardous substances in mobile containers
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	PFOA is present as an impurity in various concentrations below 1000 mg/kg

Code assigned to the stockpile for the report	DE0000000012
Date of Notification	05/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Water-based mixture of fluoropolymeres and additives
Total mass of the stockpile (tonnes)	2.1955
Concentration of the POP in the mixture or article (mg/kg)	1,000
Quantity of the Substance (tonnes)	0.0021955
Management Measures in place	Storage concept of the German Chemical Industry Association (VCI) according to national law on the storage of hazardous substances in mobile containers
Intended use / article description	Textiles for oil- and water-repellency for the protection of workers from dangerous liquids that comprise risks to their health and safety
Additional information	PFOA is present as an impurity in various concentrations below 1000 mg/kg

Code assigned to the stockpile for the report	DE0000000013
Date of Notification	10/11/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Extinguishing agent
Total mass of the stockpile (tonnes)	118.15
Concentration of the POP in the mixture or article (mg/kg)	0.99
Quantity of the Substance (tonnes)	0.000116969
Management Measures in place	Storage in suitable and approved facilities.
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	Replacement of extinguishing agent is planned

Code assigned to the stockpile for the report	DE0000000014
Date of Notification	26/01/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Extinguishing agent
Total mass of the stockpile (tonnes)	810
Concentration of the POP in the mixture or article (mg/kg)	0.4
Quantity of the Substance (tonnes)	0.000324
Management Measures in place	Storage in suitable and approved facilities.
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	Replacement of extinguishing agent is planned

Code assigned to the stockpile for the report	DE0000000016
Date of Notification	27/04/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Perfluorooctyl iodide
EC number	208-079-5
CAS number	507-63-1
Stockpile type	mixture
Description of the mixture (optional)	By-product in the production of perfluorinated C6 chain iodide
Total mass of the stockpile (tonnes)	200
Concentration of the POP in the mixture or article (mg/kg)	800
Quantity of the Substance (tonnes)	0.16
Management Measures in place	Storage in hazardous goods container in accordance with national law (Federal Immision Control Act, BImSchG)
Intended use / article description	
Additional information	Mixture still contains 20 % perfluorodecyl(1)iodide and perfluoroundecyl(1)iodide. The mixture is exported to China for further processing in the electronics industry. Handling of the mixture under strictly controlled conditions.

Code assigned to the stockpile for the report	DE0000000017
Date of Notification	20/07/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Extinguishing agent MOUSSOL APS 3/6 F-15
Total mass of the stockpile (tonnes)	100
Concentration of the POP in the mixture or article (mg/kg)	0.65
Quantity of the Substance (tonnes)	0.000065
Management Measures in place	Retention of substances hazardous to water according to national law for the protection of waters against substances hazardous to water released from stationary installations (AwsV).
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000018
Date of Notification	20/07/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Extinguishing agent MOUSSOL APS 3/6 F-15
Total mass of the stockpile (tonnes)	50
Concentration of the POP in the mixture or article (mg/kg)	0.41
Quantity of the Substance (tonnes)	0.0000205
Management Measures in place	Retention of substances hazardous to water according to national law for the protection of waters against substances hazardous to water released from stationary installations (AwsV).
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000019
Date of Notification	20/07/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Extinguishing agent MOUSSOL APS 3/6 F-16
Total mass of the stockpile (tonnes)	8.5
Concentration of the POP in the mixture or article (mg/kg)	0.43
Quantity of the Substance (tonnes)	0.000003655
Management Measures in place	Retention of substances hazardous to water according to national law for the protection of waters against substances hazardous to water released from stationary installations (AwsV).
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000020
Date of Notification	20/07/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Extinguishing agent MOUSSOL APS 3/6 F-17
Total mass of the stockpile (tonnes)	2
Concentration of the POP in the mixture or article (mg/kg)	0.22
Quantity of the Substance (tonnes)	0.00000044
Management Measures in place	Retention of substances hazardous to water according to national law for the protection of waters against substances hazardous to water released from stationary installations (AwsV).
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000021
Date of Notification	30/08/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Extinguishing agent STHAMEX AFFF 3%
Total mass of the stockpile (tonnes)	1
Concentration of the POP in the mixture or article (mg/kg)	0.11
Quantity of the Substance (tonnes)	0.00000011
Management Measures in place	Retention of substances hazardous to water according to national law for the protection of waters against substances hazardous to water released from stationary installations (AwsV).
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000022
Date of Notification	30/08/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Extinguishing agent EXPYROL AFFF 3%
Total mass of the stockpile (tonnes)	4.8
Concentration of the POP in the mixture or article (mg/kg)	0.41
Quantity of the Substance (tonnes)	0.000001968
Management Measures in place	Retention of substances hazardous to water according to national law for the protection of waters against substances hazardous to water released from stationary installations (AwsV).
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000023
Date of Notification	17/11/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Foam concentrate Moussol APS LV 1/3 F15
Total mass of the stockpile (tonnes)	51
Concentration of the POP in the mixture or article (mg/kg)	0.37
Quantity of the Substance (tonnes)	0.00001887
Management Measures in place	Stored in 2 industrial fire-fighting vehicles (each with integrated 1500 l glass-fibre reinforced plastic container) and in 4 stainless steel roll off containers (containing 12000 l each) as mobile unit. Provided on an area compliant to national law for the protection of waters against substances hazardous to water released from stationary installations (AwSV).
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000024
Date of Notification	17/11/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Foam concentrate Moussol APS LV 1/3 F15
Total mass of the stockpile (tonnes)	40
Concentration of the POP in the mixture or article (mg/kg)	0.26
Quantity of the Substance (tonnes)	0.0000104
Management Measures in place	Provided in a stainless steel tank with a fixed volume of 40000 l. The tank is enclosed by a circumferential collecting space designed for this purpose.
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000025
Date of Notification	24/11/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	
Total mass of the stockpile (tonnes)	15
Concentration of the POP in the mixture or article (mg/kg)	12
Quantity of the Substance (tonnes)	0.00018
Management Measures in place	Storage container
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000026
Date of Notification	29/11/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Extinguishing foam; PFOA concentration >5%
Total mass of the stockpile (tonnes)	55.8
Concentration of the POP in the mixture or article (mg/kg)	5,000
Quantity of the Substance (tonnes)	0.279
Management Measures in place	Storage in suitable and approved facilities. However, the fire water retention does not comply with water law requirements; the replacement of the extinguishing foams is planned by 30.09.2023.
Intended use / article description	
Additional information	The fire water retention does not comply with water law requirements; measures have already been implemented to prevent the admixture of the PFOA-containing foaming agent in the event of a fire.

Code assigned to the stockpile for the report	DE0000000027
Date of Notification	21/12/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	substance
Description of the mixture (optional)	
Total mass of the stockpile (tonnes)	7.25
Concentration of the POP in the mixture or article (mg/kg)	0.62
Quantity of the Substance (tonnes)	0.000004495
Management Measures in place	Storage container with collecting basin; in the event of a release, fire-fighting water retention of the entire surface drainage system in the facility
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	Foaming agent in a storage container, admixture when sprinkler system is triggered. The plant fire brigade is instructed to close the fire-fighting water retention immediately in the event of a release.

Code assigned to the stockpile for the report	DE0000000028
Date of Notification	21/12/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	substance
Description of the mixture (optional)	
Total mass of the stockpile (tonnes)	0.12
Concentration of the POP in the mixture or article (mg/kg)	0.62
Quantity of the Substance (tonnes)	0.000000074
Management Measures in place	In containers (20 kg each), distributed on three wall-mounted foam hydrants
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	The plant fire brigade is instructed to close the fire-fighting water retention immediately in the event of a release

Code assigned to the stockpile for the report	DE0000000029
Date of Notification	21/12/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	Premix in fire extinguishers (Fa. Minimax)
Total mass of the stockpile (tonnes)	3.432
Concentration of the POP in the mixture or article (mg/kg)	0.39
Quantity of the Substance (tonnes)	0.000001338
Management Measures in place	
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000030
Date of Notification	22/12/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	
Total mass of the stockpile (tonnes)	64
Concentration of the POP in the mixture or article (mg/kg)	12
Quantity of the Substance (tonnes)	0.000768
Management Measures in place	Steel containers for storage
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000031
Date of Notification	22/12/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	
Total mass of the stockpile (tonnes)	37
Concentration of the POP in the mixture or article (mg/kg)	0.53
Quantity of the Substance (tonnes)	0.00001961
Management Measures in place	Steel containers for storage
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000032
Date of Notification	28/12/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Extinguishing agent unknown
Total mass of the stockpile (tonnes)	1
Concentration of the POP in the mixture or article (mg/kg)	0.83
Quantity of the Substance (tonnes)	0.00000083
Management Measures in place	Industrial fire-fighting vehicle with integrated 1,000 l tank (glass-fibre reinforced plastic container); provided on an area compliant to national law for the protection of waters against substances hazardous to water released from stationary installations (AWSV).
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000033
Date of Notification	28/12/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Extinguishing agent unknown
Total mass of the stockpile (tonnes)	0.25
Concentration of the POP in the mixture or article (mg/kg)	0.45
Quantity of the Substance (tonnes)	0.000000113
Management Measures in place	Industrial fire-fighting vehicle with integrated 250 l tank (glass-fibre reinforced plastic container); provided on an area compliant to national law for the protection of waters against substances hazardous to water released from stationary installations (AwsV).
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000034
Date of Notification	28/12/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Verm. Komet Extrakt AFFF 3% F15
Total mass of the stockpile (tonnes)	1
Concentration of the POP in the mixture or article (mg/kg)	0.24
Quantity of the Substance (tonnes)	0.00000024
Management Measures in place	Stainless steel tank with double protection (shut-off device and blind connector)
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000035
Date of Notification	28/12/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Verm. Komet Extrakt AFFF 3% F15
Total mass of the stockpile (tonnes)	1
Concentration of the POP in the mixture or article (mg/kg)	0.77
Quantity of the Substance (tonnes)	0.00000077
Management Measures in place	Stainless steel tank with double protection (shut-off device and blind connector)
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000036
Date of Notification	28/12/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Verm. Komet Extrakt S15
Total mass of the stockpile (tonnes)	1
Concentration of the POP in the mixture or article (mg/kg)	0.05
Quantity of the Substance (tonnes)	0.00000005
Management Measures in place	Stainless steel tank with double protection (shut-off device and blind connector) (Werfer 375)
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000037
Date of Notification	28/12/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Verm. Komet Extrakt AFFF 3% F15
Total mass of the stockpile (tonnes)	0.5
Concentration of the POP in the mixture or article (mg/kg)	0.7
Quantity of the Substance (tonnes)	0.00000035
Management Measures in place	Stainless steel tank with double protection (shut-off device and blind connector)
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000038
Date of Notification	28/12/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Verm. Komet Extrakt AFFF 3% F15
Total mass of the stockpile (tonnes)	0.5
Concentration of the POP in the mixture or article (mg/kg)	0.78
Quantity of the Substance (tonnes)	0.00000039
Management Measures in place	Stainless steel tank with double protection (shut-off device and blind connector)
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000039
Date of Notification	28/12/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Verm. protein foaming agent
Total mass of the stockpile (tonnes)	1
Concentration of the POP in the mixture or article (mg/kg)	0.06
Quantity of the Substance (tonnes)	0.000000056
Management Measures in place	Stainless steel tank with double protection (shut-off device and blind connector)
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000040
Date of Notification	28/12/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Verm. Komet Extrakt AFFF 3% F15
Total mass of the stockpile (tonnes)	1
Concentration of the POP in the mixture or article (mg/kg)	0.69
Quantity of the Substance (tonnes)	0.00000069
Management Measures in place	Stainless steel tank with double protection (shut-off device and blind connector)
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000041
Date of Notification	28/12/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Verm. Komet Extrakt AFFF 3% F15
Total mass of the stockpile (tonnes)	0.5
Concentration of the POP in the mixture or article (mg/kg)	0.01
Quantity of the Substance (tonnes)	0.000000005
Management Measures in place	Stainless steel tank with double protection (shut-off device and blind connector)
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000042
Date of Notification	28/12/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Extinguishing agent unknown
Total mass of the stockpile (tonnes)	1
Concentration of the POP in the mixture or article (mg/kg)	0.01
Quantity of the Substance (tonnes)	0.00000001
Management Measures in place	Provided on an area compliant to national law for the protection of waters against substances hazardous to water released from stationary installations (AwSV)
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000043
Date of Notification	28/12/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Verm. Komet Extrakt S15
Total mass of the stockpile (tonnes)	1
Concentration of the POP in the mixture or article (mg/kg)	0.01
Quantity of the Substance (tonnes)	0.00000001
Management Measures in place	Stainless steel tank with double protection (shut-off device and blind connector)
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000044
Date of Notification	28/12/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Verm. Komet Extrakt S15
Total mass of the stockpile (tonnes)	1
Concentration of the POP in the mixture or article (mg/kg)	0.01
Quantity of the Substance (tonnes)	0.00000001
Management Measures in place	Stainless steel tank with double protection (shut-off device and blind connector)
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000045
Date of Notification	28/12/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Extinguishing agent unknown
Total mass of the stockpile (tonnes)	1
Concentration of the POP in the mixture or article (mg/kg)	0.01
Quantity of the Substance (tonnes)	0.00000001
Management Measures in place	Stainless steel tank with double protection (shut-off device and blind connector)
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000046
Date of Notification	28/12/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Verm. Komet Extrakt S15
Total mass of the stockpile (tonnes)	1
Concentration of the POP in the mixture or article (mg/kg)	0.01
Quantity of the Substance (tonnes)	0.00000001
Management Measures in place	Stainless steel tank with double protection (shut-off device and blind connector)
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000047
Date of Notification	28/12/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Verm. Komet Extrakt S15
Total mass of the stockpile (tonnes)	1
Concentration of the POP in the mixture or article (mg/kg)	0.01
Quantity of the Substance (tonnes)	0.00000001
Management Measures in place	Stainless steel tank with double protection (shut-off device and blind connector)
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000048
Date of Notification	28/12/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Verm. Komet Extrakt S15
Total mass of the stockpile (tonnes)	1
Concentration of the POP in the mixture or article (mg/kg)	0.01
Quantity of the Substance (tonnes)	0.00000001
Management Measures in place	Stainless steel tank with double protection (shut-off device and blind connector)
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000049
Date of Notification	28/12/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Extinguishing agent unknown
Total mass of the stockpile (tonnes)	1
Concentration of the POP in the mixture or article (mg/kg)	0.06
Quantity of the Substance (tonnes)	0.000000057
Management Measures in place	Hazardous material container with collecting basin
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000050
Date of Notification	28/12/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Verm. Komet Extrakt AFFF 3% F15
Total mass of the stockpile (tonnes)	0.5
Concentration of the POP in the mixture or article (mg/kg)	0.17
Quantity of the Substance (tonnes)	0.000000085
Management Measures in place	Stainless steel tank with double protection (shut-off device and blind connector)
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000051
Date of Notification	28/12/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Verm. Komet Extrakt S15
Total mass of the stockpile (tonnes)	1
Concentration of the POP in the mixture or article (mg/kg)	0.01
Quantity of the Substance (tonnes)	0.00000001
Management Measures in place	Stainless steel tank with double protection (shut-off device and blind connector)
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000052
Date of Notification	28/12/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Verm. Komet Extrakt AFFF 3% F15
Total mass of the stockpile (tonnes)	0.5
Concentration of the POP in the mixture or article (mg/kg)	0.85
Quantity of the Substance (tonnes)	0.000000425
Management Measures in place	Provided on an area compliant to national law for the protection of waters against substances hazardous to water released from stationary installations (AwSV)
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000053
Date of Notification	28/12/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Verm. Komet Extrakt AFFF 3% F15
Total mass of the stockpile (tonnes)	0.5
Concentration of the POP in the mixture or article (mg/kg)	0.93
Quantity of the Substance (tonnes)	0.000000465
Management Measures in place	Provided on an area compliant to national law for the protection of waters against substances hazardous to water released from stationary installations (AwSV)
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000054
Date of Notification	28/12/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Verm. Komet Extrakt AFFF 3% F15
Total mass of the stockpile (tonnes)	0.5
Concentration of the POP in the mixture or article (mg/kg)	0.33
Quantity of the Substance (tonnes)	0.000000165
Management Measures in place	Provided on an area compliant to national law for the protection of waters against substances hazardous to water released from stationary installations (AwSV)
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000055
Date of Notification	28/12/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Verm. Komet Extrakt AFFF 3% F15
Total mass of the stockpile (tonnes)	0.5
Concentration of the POP in the mixture or article (mg/kg)	0.38
Quantity of the Substance (tonnes)	0.00000019
Management Measures in place	Provided on an area compliant to national law for the protection of waters against substances hazardous to water released from stationary installations (AwSV)
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000056
Date of Notification	28/12/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Verm. Komet Extrakt AFFF 3% F15
Total mass of the stockpile (tonnes)	0.5
Concentration of the POP in the mixture or article (mg/kg)	0.49
Quantity of the Substance (tonnes)	0.000000245
Management Measures in place	Provided on an area compliant to national law for the protection of waters against substances hazardous to water released from stationary installations (AwSV)
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000057
Date of Notification	28/12/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Verm. Komet Extrakt S15
Total mass of the stockpile (tonnes)	0.5
Concentration of the POP in the mixture or article (mg/kg)	0.01
Quantity of the Substance (tonnes)	0.000000005
Management Measures in place	Provided on an area compliant to national law for the protection of waters against substances hazardous to water released from stationary installations (AwSV)
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000058
Date of Notification	28/12/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Verm. Komet Extrakt AFFF 3% F15
Total mass of the stockpile (tonnes)	0.5
Concentration of the POP in the mixture or article (mg/kg)	0.8
Quantity of the Substance (tonnes)	0.0000004
Management Measures in place	Provided on an area compliant to national law for the protection of waters against substances hazardous to water released from stationary installations (AwSV)
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000059
Date of Notification	28/12/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Verm. Komet Extrakt AFFF 3% F15
Total mass of the stockpile (tonnes)	0.5
Concentration of the POP in the mixture or article (mg/kg)	0.28
Quantity of the Substance (tonnes)	0.00000014
Management Measures in place	Provided on an area compliant to national law for the protection of waters against substances hazardous to water released from stationary installations (AwSV)
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	DE0000000060
Date of Notification	28/12/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Verm. Komet Extrakt AFFF 3% F15
Total mass of the stockpile (tonnes)	0.5
Concentration of the POP in the mixture or article (mg/kg)	0.6
Quantity of the Substance (tonnes)	0.0000003
Management Measures in place	Provided on an area compliant to national law for the protection of waters against substances hazardous to water released from stationary installations (AwSV)
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Ireland

Code assigned to the stockpile for the report	IE0000000007
Date of Notification	10/11/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Fire fighting foam concentrate
Total mass of the stockpile (tonnes)	26.4
Concentration of the POP in the mixture or article (mg/kg)	0.4
Quantity of the Substance (tonnes)	0.00001056
Management Measures in place	The holder notifies the EPA on a yearly basis via the EPA's online reporting system (www.edenireland.ie). The organisation is a registered user and has a nominated point of contact to complete the notification each year. The foam concentrate is stored in a bunded area and there are foam monitors in use onsite. The foam is not used for training purposes and is used according to the PFOA restriction under the EU POPs Regulation.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	IE0000000008
Date of Notification	10/11/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Fire-fighting foam concentrate
Total mass of the stockpile (tonnes)	16.5
Concentration of the POP in the mixture or article (mg/kg)	0.03
Quantity of the Substance (tonnes)	0.000000413
Management Measures in place	The holder notifies the EPA on a yearly basis via the EPA's online reporting system (www.edenireland.ie). The organisation is a registered user and has a nominated point of contact to complete the notification each year. The foam concentrate is stored in a bunded area and there are foam monitors in use onsite. The foam is not used for training purposes and is used according to the PFOA restriction under the EU POPs Regulation.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	IE0000000009
Date of Notification	29/11/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Fire-fighting foam concentrate
Total mass of the stockpile (tonnes)	9.35
Concentration of the POP in the mixture or article (mg/kg)	0.03
Quantity of the Substance (tonnes)	0.000000234
Management Measures in place	The holder notifies the EPA on a yearly basis via the EPA's online reporting system (www.edenireland.ie). The organisation is a registered user and has a nominated point of contact to complete the notification each year. The foam concentrate is stored in a bunded area. The foam is not used for training purposes and is used according to the PFOA restriction under the EU POPs Regulation.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	IE0000000010
Date of Notification	29/11/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Fire-fighting foam concentrate
Total mass of the stockpile (tonnes)	2.33
Concentration of the POP in the mixture or article (mg/kg)	0.03
Quantity of the Substance (tonnes)	0.000000058
Management Measures in place	The holder notifies the EPA on a yearly basis via the EPA's online reporting system (www.edenireland.ie). The organisation is a registered user and has a nominated point of contact to complete the notification each year. The foam concentrate is stored in a bunded area. The foam is not used for training purposes and is used according to the PFOA restriction under the EU POPs Regulation.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	IE0000000011
Date of Notification	29/11/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Fire-fighting foam concentrate
Total mass of the stockpile (tonnes)	2.47
Concentration of the POP in the mixture or article (mg/kg)	0.03
Quantity of the Substance (tonnes)	0.000000062
Management Measures in place	The holder notifies the EPA on a yearly basis via the EPA's online reporting system (www.edenireland.ie). The organisation is a registered user and has a nominated point of contact to complete the notification each year. The foam concentrate is stored in a bunded area. The foam is not used for training purposes and is used according to the PFOA restriction under the EU POPs Regulation.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	IE0000000012
Date of Notification	30/11/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Fire-fighting foam concentrate
Total mass of the stockpile (tonnes)	1.1
Concentration of the POP in the mixture or article (mg/kg)	1
Quantity of the Substance (tonnes)	0.0000011
Management Measures in place	The holder notifies the EPA on a yearly basis via the EPA's online reporting system (www.edenireland.ie). The organisation is a registered user and has a nominated point of contact to complete the notification each year. The foam concentrate is stored in a bunded area. The foam is not used for training purposes and is used according to the PFOA restriction under the EU POPs Regulation.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	IE0000000013
Date of Notification	30/11/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Fire-fighting foam concentrate
Total mass of the stockpile (tonnes)	9.57
Concentration of the POP in the mixture or article (mg/kg)	7.3
Quantity of the Substance (tonnes)	0.000069861
Management Measures in place	The holder notifies the EPA on a yearly basis via the EPA's online reporting system (www.edenireland.ie). The organisation is a registered user and has a nominated point of contact to complete the notification each year. The foam concentrate is stored in a bunded area. The foam is not used for training purposes and is used according to the PFOA restriction under the EU POPs Regulation.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	IE0000000014
Date of Notification	30/11/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Fire-fighting foam concentrate
Total mass of the stockpile (tonnes)	19.8
Concentration of the POP in the mixture or article (mg/kg)	0.05
Quantity of the Substance (tonnes)	0.00000097
Management Measures in place	The holder notifies the EPA on a yearly basis via the EPA's online reporting system (www.edenireland.ie). The organisation is a registered user and has a nominated point of contact to complete the notification each year. The foam concentrate is stored in a bunded area. The foam is not used for training purposes and is used according to the PFOA restriction under the EU POPs Regulation.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	IE0000000015
Date of Notification	30/11/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Fire-fighting foam concentrate
Total mass of the stockpile (tonnes)	4.02
Concentration of the POP in the mixture or article (mg/kg)	0.05
Quantity of the Substance (tonnes)	0.000000197
Management Measures in place	The holder notifies the EPA on a yearly basis via the EPA's online reporting system (www.edenireland.ie). The organisation is a registered user and has a nominated point of contact to complete the notification each year. The foam concentrate is stored in a bunded area. The foam is not used for training purposes and is used according to the PFOA restriction under the EU POPs Regulation.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	IE0000000016
Date of Notification	30/11/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Fire-fighting foam concentrate
Total mass of the stockpile (tonnes)	13.2
Concentration of the POP in the mixture or article (mg/kg)	0.14
Quantity of the Substance (tonnes)	0.000001848
Management Measures in place	The holder notifies the EPA on a yearly basis via the EPA's online reporting system (www.edenireland.ie). The organisation is a registered user and has a nominated point of contact to complete the notification each year. The foam concentrate is stored in a bunded area. The foam is not used for training purposes and is used according to the PFOA restriction under the EU POPs Regulation.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	IE0000000017
Date of Notification	30/11/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Fire-fighting foam concentrate
Total mass of the stockpile (tonnes)	1.1
Concentration of the POP in the mixture or article (mg/kg)	0.61
Quantity of the Substance (tonnes)	0.000000671
Management Measures in place	The holder notifies the EPA on a yearly basis via the EPA's online reporting system (www.edenireland.ie). The organisation is a registered user and has a nominated point of contact to complete the notification each year. The foam concentrate is stored in a bunded area. The foam is not used for training purposes and is used according to the PFOA restriction under the EU POPs Regulation.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	IE0000000018
Date of Notification	30/11/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Fire-fighting foam concentrate
Total mass of the stockpile (tonnes)	5.5
Concentration of the POP in the mixture or article (mg/kg)	0.05
Quantity of the Substance (tonnes)	0.00000027
Management Measures in place	The holder notifies the EPA on a yearly basis via the EPA's online reporting system (www.edenireland.ie). The organisation is a registered user and has a nominated point of contact to complete the notification each year. The foam concentrate is stored in a bunded area. The foam is not used for training purposes and is used according to the PFOA restriction under the EU POPs Regulation.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	IE0000000019
Date of Notification	30/11/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Fire-fighting foam concentrate
Total mass of the stockpile (tonnes)	6.93
Concentration of the POP in the mixture or article (mg/kg)	0.05
Quantity of the Substance (tonnes)	0.00000034
Management Measures in place	The holder notifies the EPA on a yearly basis via the EPA's online reporting system (www.edenireland.ie). The organisation is a registered user and has a nominated point of contact to complete the notification each year. The foam concentrate is stored in a bunded area. The foam is not used for training purposes and is used according to the PFOA restriction under the EU POPs Regulation.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	IE0000000020
Date of Notification	30/11/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Fire-fighting foam concentrate
Total mass of the stockpile (tonnes)	2.2
Concentration of the POP in the mixture or article (mg/kg)	0.05
Quantity of the Substance (tonnes)	0.000000108
Management Measures in place	The holder notifies the EPA on a yearly basis via the EPA's online reporting system (www.edenireland.ie). The organisation is a registered user and has a nominated point of contact to complete the notification each year. The foam concentrate is stored in a bunded area. The foam is not used for training purposes and is used according to the PFOA restriction under the EU POPs Regulation.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	IE0000000021
Date of Notification	30/11/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Fire-fighting foam concentrate
Total mass of the stockpile (tonnes)	8.8
Concentration of the POP in the mixture or article (mg/kg)	0.05
Quantity of the Substance (tonnes)	0.000000431
Management Measures in place	The holder notifies the EPA on a yearly basis via the EPA's online reporting system (www.edenireland.ie). The organisation is a registered user and has a nominated point of contact to complete the notification each year. The foam concentrate is stored in a bunded area. The foam is not used for training purposes and is used according to the PFOA restriction under the EU POPs Regulation.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	IE0000000022
Date of Notification	30/11/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Fire-fighting foam concentrate
Total mass of the stockpile (tonnes)	4.4
Concentration of the POP in the mixture or article (mg/kg)	0.14
Quantity of the Substance (tonnes)	0.000000616
Management Measures in place	The holder notifies the EPA on a yearly basis via the EPA's online reporting system (www.edenireland.ie). The organisation is a registered user and has a nominated point of contact to complete the notification each year. The foam concentrate is stored in a bunded area. The foam is not used for training purposes and is used according to the PFOA restriction under the EU POPs Regulation.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	IE0000000023
Date of Notification	30/11/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Fire-fighting foam concentrate
Total mass of the stockpile (tonnes)	3.96
Concentration of the POP in the mixture or article (mg/kg)	0.05
Quantity of the Substance (tonnes)	0.000000194
Management Measures in place	The holder notifies the EPA on a yearly basis via the EPA's online reporting system (www.edenireland.ie). The organisation is a registered user and has a nominated point of contact to complete the notification each year. The foam concentrate is stored in a bunded area. The foam is not used for training purposes and is used according to the PFOA restriction under the EU POPs Regulation.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	IE0000000024
Date of Notification	30/11/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Fire-fighting foam concentrate
Total mass of the stockpile (tonnes)	2.2
Concentration of the POP in the mixture or article (mg/kg)	0.05
Quantity of the Substance (tonnes)	0.000000108
Management Measures in place	The holder notifies the EPA on a yearly basis via the EPA's online reporting system (www.edenireland.ie). The organisation is a registered user and has a nominated point of contact to complete the notification each year. The foam concentrate is stored in a bunded area. The foam is not used for training purposes and is used according to the PFOA restriction under the EU POPs Regulation.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	IE0000000025
Date of Notification	30/11/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Fire-fighting foam concentrate
Total mass of the stockpile (tonnes)	0.88
Concentration of the POP in the mixture or article (mg/kg)	0.07
Quantity of the Substance (tonnes)	0.000000062
Management Measures in place	The holder notifies the EPA on a yearly basis via the EPA's online reporting system (www.edenireland.ie). The organisation is a registered user and has a nominated point of contact to complete the notification each year. The foam concentrate is stored in a bunded area and awaiting for disposal. The foam is not used for training purposes and is used according to the PFOA restriction under the EU POPs Regulation.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	IE0000000026
Date of Notification	30/11/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Fire-fighting foam concentrate
Total mass of the stockpile (tonnes)	0.02
Concentration of the POP in the mixture or article (mg/kg)	0.17
Quantity of the Substance (tonnes)	0.000000003
Management Measures in place	The holder notifies the EPA on a yearly basis via the EPA's online reporting system (www.edenireland.ie). The organisation is a registered user and has a nominated point of contact to complete the notification each year. The foam concentrate is stored in a bunded area and awaiting for disposal. The foam is not used for training purposes and is used according to the PFOA restriction under the EU POPs Regulation.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	IE0000000027
Date of Notification	03/12/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Fire-fighting foam concentrate
Total mass of the stockpile (tonnes)	44
Concentration of the POP in the mixture or article (mg/kg)	0.03
Quantity of the Substance (tonnes)	0.0000011
Management Measures in place	The holder notifies the EPA on a yearly basis via the EPA's online reporting system (www.edenireland.ie). The organisation is a registered user and has a nominated point of contact to complete the notification each year. The foam concentrate is stored in a double skin steel tank and there are foam monitors in use onsite. The foam is not used for training purposes and is used according to the PFOA restriction under the EU POPs Regulation.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	IE0000000028
Date of Notification	03/12/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Fire-fighting foam concentrate
Total mass of the stockpile (tonnes)	14.3
Concentration of the POP in the mixture or article (mg/kg)	0.03
Quantity of the Substance (tonnes)	0.000000358
Management Measures in place	The holder notifies the EPA on a yearly basis via the EPA's online reporting system (www.edenireland.ie). The organisation is a registered user and has a nominated point of contact to complete the notification each year. The foam concentrate is stored in a Fire System tank and there are foam monitors in use onsite. The foam is not used for training purposes and is used according to the PFOA restriction under the EU POPs Regulation.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	IE0000000029
Date of Notification	03/12/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Fire-fighting foam concentrate
Total mass of the stockpile (tonnes)	33
Concentration of the POP in the mixture or article (mg/kg)	0.03
Quantity of the Substance (tonnes)	0.000000825
Management Measures in place	The holder notifies the EPA on a yearly basis via the EPA's online reporting system (www.edenireland.ie). The organisation is a registered user and has a nominated point of contact to complete the notification each year. The foam concentrate is stored in a bunded area and there are foam monitors in use onsite. The foam is not used for training purposes and is used according to the PFOA restriction under the EU POPs Regulation.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	IE0000000030
Date of Notification	03/12/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Fire-fighting foam concentrate
Total mass of the stockpile (tonnes)	61.6
Concentration of the POP in the mixture or article (mg/kg)	0.03
Quantity of the Substance (tonnes)	0.00000154
Management Measures in place	The holder notifies the EPA on a yearly basis via the EPA's online reporting system (www.edenireland.ie). The organisation is a registered user and has a nominated point of contact to complete the notification each year. The foam concentrate is stored in a bunded area and there are foam monitors in use onsite. The foam is not used for training purposes and is used according to the PFOA restriction under the EU POPs Regulation.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	IE0000000031
Date of Notification	10/12/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Fire-fighting foam concentrate
Total mass of the stockpile (tonnes)	1.65
Concentration of the POP in the mixture or article (mg/kg)	0.03
Quantity of the Substance (tonnes)	0.000000041
Management Measures in place	The holder notifies the EPA on a yearly basis via the EPA's online reporting system (www.edenireland.ie). The organisation is a registered user and has a nominated point of contact to complete the notification each year. The foam concentrate is stored in a bunded area. The foam is not used for training purposes and is used according to the PFOA restriction under the EU POPs Regulation.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	IE0000000032
Date of Notification	11/01/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Fire-fighting foam concentrate
Total mass of the stockpile (tonnes)	4.95
Concentration of the POP in the mixture or article (mg/kg)	3
Quantity of the Substance (tonnes)	0.00001485
Management Measures in place	The holder notifies the EPA on a yearly basis via the EPA's online reporting system (www.edenireland.ie). The organisation is a registered user and has a nominated point of contact to complete the notification each year. The foam concentrate is stored in a bunded area. The foam is not used for training purposes and is used according to the PFOA restriction under the EU POPs Regulation.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	IE0000000033
Date of Notification	11/01/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Fire-fighting foam concentrate
Total mass of the stockpile (tonnes)	0.08
Concentration of the POP in the mixture or article (mg/kg)	0.07
Quantity of the Substance (tonnes)	0.000000006
Management Measures in place	The holder notifies the EPA on a yearly basis via the EPA's online reporting system (www.edenireland.ie). The organisation is a registered user and has a nominated point of contact to complete the notification each year. The foam concentrate is stored in a bunded area. The foam is not used for training purposes and is used according to the PFOA restriction under the EU POPs Regulation.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	IE0000000034
Date of Notification	20/01/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Fire-fighting foam concentrate
Total mass of the stockpile (tonnes)	0.79
Concentration of the POP in the mixture or article (mg/kg)	3
Quantity of the Substance (tonnes)	0.00000237
Management Measures in place	The holder notifies the EPA on a yearly basis via the EPA's online reporting system (www.edenireland.ie). The organisation is a registered user and has a nominated point of contact to complete the notification each year. The foam concentrate is stored in a bunded area and awaiting disposal. The foam is not used for training purposes and is used according to the PFOA restriction under the EU POPs Regulation.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	IE0000000035
Date of Notification	03/02/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Fire-fighting foam concentrate
Total mass of the stockpile (tonnes)	5.5
Concentration of the POP in the mixture or article (mg/kg)	0.03
Quantity of the Substance (tonnes)	0.000000138
Management Measures in place	The holder notifies the EPA on a yearly basis via the EPA's online reporting system (www.edenireland.ie). The organisation is a registered user and has a nominated point of contact to complete the notification each year. The foam concentrate is stored in a bunded area. The foam is not used for training purposes and is used according to the PFOA restriction under the EU POPs Regulation.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	IE0000000036
Date of Notification	18/02/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Fire-fighting foam concentrate
Total mass of the stockpile (tonnes)	4.4
Concentration of the POP in the mixture or article (mg/kg)	0.06
Quantity of the Substance (tonnes)	0.000000268
Management Measures in place	The holder notifies the EPA on a yearly basis via the EPA's online reporting system (www.edenireland.ie). The organisation is a registered user and has a nominated point of contact to complete the notification each year. The foam concentrate is stored in a bunded area. The foam is not used for training purposes and is used according to the PFOA restriction under the EU POPs Regulation.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	IE0000000037
Date of Notification	18/02/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Fire-fighting foam concentrate
Total mass of the stockpile (tonnes)	3.52
Concentration of the POP in the mixture or article (mg/kg)	3.8
Quantity of the Substance (tonnes)	0.000013376
Management Measures in place	The holder notifies the EPA on a yearly basis via the EPA's online reporting system (www.edenireland.ie). The organisation is a registered user and has a nominated point of contact to complete the notification each year. The foam concentrate is stored in a bunded area. The foam is not used for training purposes and is used according to the PFOA restriction under the EU POPs Regulation.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	IE0000000038
Date of Notification	18/02/2022
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	Pentadecafluorooctanoic acid
EC number	206-397-9
CAS number	335-67-1
Stockpile type	mixture
Description of the mixture (optional)	Fire-fighting foam concentrate
Total mass of the stockpile (tonnes)	1.1
Concentration of the POP in the mixture or article (mg/kg)	0.04
Quantity of the Substance (tonnes)	0.000000044
Management Measures in place	The holder notifies the EPA on a yearly basis via the EPA's online reporting system (www.edenireland.ie). The organisation is a registered user and has a nominated point of contact to complete the notification each year. The foam concentrate is stored in a bunded area. The foam is not used for training purposes and is used according to the PFOA restriction under the EU POPs Regulation.
Intended use / article description	
Additional information	

Spain

Code assigned to the stockpile for the report	ES0000000002
Date of Notification	15/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	THUNDERSTORM 1-3% FC-601A AR-AFFF (Firefighting foam)
Total mass of the stockpile (tonnes)	55
Concentration of the POP in the mixture or article (mg/kg)	40,000
Quantity of the Substance (tonnes)	2.2
Management Measures in place	Cans/ICBs in plant associated to monitors
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>The exact concentration of PFOA (or related substances) in the foams installed before the entry into force of the EU regulation 2017/1000 is unknown since the manufacturer did not perform an exact measurement as it was not a requirement. The manufacturer has not been able to provide us with the data.</p> <p>The total amount of foam was provided by the stockholder in m3 and converted to tonnes assuming a density of 1000 kg/m3.</p> <p>Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p>

Code assigned to the stockpile for the report	ES0000000003
Date of Notification	15/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	THUNDERSTORM 1-3% FC-601A AR-AFFF (Firefighting foam)
Total mass of the stockpile (tonnes)	92.4
Concentration of the POP in the mixture or article (mg/kg)	40,000
Quantity of the Substance (tonnes)	3.696
Management Measures in place	Fixed equipment
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>The exact concentration of PFOA (or related substances) in the foams installed before the entry into force of the EU regulation 2017/1000 is unknown since the manufacturer did not perform an exact measurement as it was not a requirement. The manufacturer has not been able to provide us with the data.</p> <p>The total amount of foam was provided by the stockholder in m³ and converted to tonnes assuming a density of 1000 kg/m³.</p> <p>Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p>

Code assigned to the stockpile for the report	ES0000000004
Date of Notification	15/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	THUNDERSTORM 1-3% FC-601A AR-AFFF (Firefighting foam)
Total mass of the stockpile (tonnes)	98.5
Concentration of the POP in the mixture or article (mg/kg)	40,000
Quantity of the Substance (tonnes)	3.94
Management Measures in place	Mobile equipment
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>The exact concentration of PFOA (or related substances) in the foams installed before the entry into force of the EU regulation 2017/1000 is unknown since the manufacturer did not perform an exact measurement as it was not a requirement. The manufacturer has not been able to provide us with the data.</p> <p>The total amount of foam was provided by the stockholder in m³ and converted to tonnes assuming a density of 1000 kg/m³.</p> <p>Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p>

Code assigned to the stockpile for the report	ES0000000005
Date of Notification	15/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	THUNDERSTORM 1-3% FC-601A AR-AFFF (Firefighting foam)
Total mass of the stockpile (tonnes)	69
Concentration of the POP in the mixture or article (mg/kg)	40,000
Quantity of the Substance (tonnes)	2.76
Management Measures in place	Mobile equipment, transportable cans / IBCs for emergencies
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>The exact concentration of PFOA (or related substances) in the foams installed before the entry into force of the EU regulation 2017/1000 is unknown since the manufacturer did not perform an exact measurement as it was not a requirement. The manufacturer has not been able to provide us with the data.</p> <p>The total amount of foam was provided by the stockholder in m³ and converted to tonnes assuming a density of 1000 kg/m³.</p> <p>Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p>

Code assigned to the stockpile for the report	ES0000000006
Date of Notification	15/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	AFFF 1% (Firefighting foam)
Total mass of the stockpile (tonnes)	4
Concentration of the POP in the mixture or article (mg/kg)	
Quantity of the Substance (tonnes)	
Management Measures in place	Fixed equipment
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>The exact concentration of PFOA (or related substances) in the foams installed before the entry into force of the EU regulation 2017/1000 is unknown since the manufacturer did not perform an exact measurement as it was not a requirement. The manufacturer has not been able to provide us with the data.</p> <p>The total amount of foam was provided by the stockholder in m3 and converted to tonnes assuming a density of 1000 kg/m3.</p> <p>Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p>

Code assigned to the stockpile for the report	ES0000000007
Date of Notification	15/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	AFFF 1-3% (Firefighting foam)
Total mass of the stockpile (tonnes)	17
Concentration of the POP in the mixture or article (mg/kg)	
Quantity of the Substance (tonnes)	
Management Measures in place	Fixed equipment
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>The exact concentration of PFOA (or related substances) in the foams installed before the entry into force of the EU regulation 2017/1000 is unknown since the manufacturer did not perform an exact measurement as it was not a requirement. The manufacturer has not been able to provide us with the data.</p> <p>The total amount of foam was provided by the stockholder in m3 and converted to tonnes assuming a density of 1000 kg/m3.</p> <p>Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p>

Code assigned to the stockpile for the report	ES0000000008
Date of Notification	15/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	AFFF 3% (Firefighting foam)
Total mass of the stockpile (tonnes)	25.4
Concentration of the POP in the mixture or article (mg/kg)	
Quantity of the Substance (tonnes)	
Management Measures in place	Fixed equipment
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>The exact concentration of PFOA (or related substances) in the foams installed before the entry into force of the EU regulation 2017/1000 is unknown since the manufacturer did not perform an exact measurement as it was not a requirement. The manufacturer has not been able to provide us with the data.</p> <p>The total amount of foam was provided by the stockholder in m3 and converted to tonnes assuming a density of 1000 kg/m3.</p> <p>Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p>

Code assigned to the stockpile for the report	ES0000000009
Date of Notification	15/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	AFFF 6% (Firefighting foam)
Total mass of the stockpile (tonnes)	0.2
Concentration of the POP in the mixture or article (mg/kg)	
Quantity of the Substance (tonnes)	
Management Measures in place	Mobile equipment, transportable cans / IBCs for emergencies
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>The exact concentration of PFOA (or related substances) in the foams installed before the entry into force of the EU regulation 2017/1000 is unknown since the manufacturer did not perform an exact measurement as it was not a requirement. The manufacturer has not been able to provide us with the data.</p> <p>The total amount of foam was provided by the stockholder in m3 and converted to tonnes assuming a density of 1000 kg/m3.</p> <p>Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p>

Code assigned to the stockpile for the report	ES0000000010
Date of Notification	15/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	ALCOSEAL AR AFFF 3% ANGUS (Firefighting foam)
Total mass of the stockpile (tonnes)	6
Concentration of the POP in the mixture or article (mg/kg)	
Quantity of the Substance (tonnes)	
Management Measures in place	Fixed equipment
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>The exact concentration of PFOA (or related substances) in the foams installed before the entry into force of the EU regulation 2017/1000 is unknown since the manufacturer did not perform an exact measurement as it was not a requirement. The manufacturer has not been able to provide us with the data.</p> <p>The total amount of foam was provided by the stockholder in m3 and converted to tonnes assuming a density of 1000 kg/m3.</p> <p>Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p>

Code assigned to the stockpile for the report	ES0000000011
Date of Notification	15/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	ALCOSEAL AR AFFF 3% from ANGUS (Firefighting foam)
Total mass of the stockpile (tonnes)	8
Concentration of the POP in the mixture or article (mg/kg)	
Quantity of the Substance (tonnes)	
Management Measures in place	Cans/ICBs in plant associated to monitors
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>The exact concentration of PFOA (or related substances) in the foams installed before the entry into force of the EU regulation 2017/1000 is unknown since the manufacturer did not perform an exact measurement as it was not a requirement. The manufacturer has not been able to provide us with the data.</p> <p>The total amount of foam was provided by the stockholder in m³ and converted to tonnes assuming a density of 1000 kg/m³.</p> <p>Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p>

Code assigned to the stockpile for the report	ES0000000012
Date of Notification	15/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	ANGUS FIRE TRIDOL "ATF" 3/3% AR-AFFF (Firefighting foam)
Total mass of the stockpile (tonnes)	15
Concentration of the POP in the mixture or article (mg/kg)	
Quantity of the Substance (tonnes)	
Management Measures in place	Mobile equipment, transportable cans / IBCs for emergencies
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>The exact concentration of PFOA (or related substances) in the foams installed before the entry into force of the EU regulation 2017/1000 is unknown since the manufacturer did not perform an exact measurement as it was not a requirement. The manufacturer has not been able to provide us with the data.</p> <p>The total amount of foam was provided by the stockholder in m³ and converted to tonnes assuming a density of 1000 kg/m³.</p> <p>Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p>

Code assigned to the stockpile for the report	ES0000000013
Date of Notification	15/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	ANSUL 3-6% AFFF (Firefighting foam)
Total mass of the stockpile (tonnes)	5
Concentration of the POP in the mixture or article (mg/kg)	
Quantity of the Substance (tonnes)	
Management Measures in place	Fixed equipment
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>The exact concentration of PFOA (or related substances) in the foams installed before the entry into force of the EU regulation 2017/1000 is unknown since the manufacturer did not perform an exact measurement as it was not a requirement. The manufacturer has not been able to provide us with the data.</p> <p>The total amount of foam was provided by the stockholder in m3 and converted to tonnes assuming a density of 1000 kg/m3.</p> <p>Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p>

Code assigned to the stockpile for the report	ES0000000014
Date of Notification	15/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	ANSULITE AR-AFFF (Firefighting foam)
Total mass of the stockpile (tonnes)	0.2
Concentration of the POP in the mixture or article (mg/kg)	
Quantity of the Substance (tonnes)	
Management Measures in place	Cans/ICBs in plant associated to monitors
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>The exact concentration of PFOA (or related substances) in the foams installed before the entry into force of the EU regulation 2017/1000 is unknown since the manufacturer did not perform an exact measurement as it was not a requirement. The manufacturer has not been able to provide us with the data.</p> <p>The total amount of foam was provided by the stockholder in m3 and converted to tonnes assuming a density of 1000 kg/m3.</p> <p>Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p>

Code assigned to the stockpile for the report	ES0000000015
Date of Notification	15/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	AQUAFILM (AUXQUIMIA) AFFF (Firefighting foam)
Total mass of the stockpile (tonnes)	2.3
Concentration of the POP in the mixture or article (mg/kg)	
Quantity of the Substance (tonnes)	
Management Measures in place	Fixed equipment
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>The exact concentration of PFOA (or related substances) in the foams installed before the entry into force of the EU regulation 2017/1000 is unknown since the manufacturer did not perform an exact measurement as it was not a requirement. The manufacturer has not been able to provide us with the data.</p> <p>The total amount of foam was provided by the stockholder in m3 and converted to tonnes assuming a density of 1000 kg/m3.</p> <p>Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p>

Code assigned to the stockpile for the report	ES0000000016
Date of Notification	15/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	FILMFOAM 3% AFFF (Firefighting foam)
Total mass of the stockpile (tonnes)	2.4
Concentration of the POP in the mixture or article (mg/kg)	
Quantity of the Substance (tonnes)	
Management Measures in place	Fixed equipment
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>The exact concentration of PFOA (or related substances) in the foams installed before the entry into force of the EU regulation 2017/1000 is unknown since the manufacturer did not perform an exact measurement as it was not a requirement. The manufacturer has not been able to provide us with the data.</p> <p>The total amount of foam was provided by the stockholder in m3 and converted to tonnes assuming a density of 1000 kg/m3.</p> <p>Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p>

Code assigned to the stockpile for the report	ES0000000017
Date of Notification	15/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	FILMFOAM 3% AFFF (Firefighting foam)
Total mass of the stockpile (tonnes)	3
Concentration of the POP in the mixture or article (mg/kg)	
Quantity of the Substance (tonnes)	
Management Measures in place	Mobile equipment, transportable cans / IBCs for emergencies
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>The exact concentration of PFOA (or related substances) in the foams installed before the entry into force of the EU regulation 2017/1000 is unknown since the manufacturer did not perform an exact measurement as it was not a requirement. The manufacturer has not been able to provide us with the data.</p> <p>The total amount of foam was provided by the stockholder in m3 and converted to tonnes assuming a density of 1000 kg/m3.</p> <p>Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p>

Code assigned to the stockpile for the report	ES0000000018
Date of Notification	15/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	FP-70 ANGUS 3-6% FP (Firefighting foam)
Total mass of the stockpile (tonnes)	17.6
Concentration of the POP in the mixture or article (mg/kg)	10,000
Quantity of the Substance (tonnes)	0.176
Management Measures in place	Fixed equipment
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>The exact concentration of PFOA (or related substances) in the foams installed before the entry into force of the EU regulation 2017/1000 is unknown since the manufacturer did not perform an exact measurement as it was not a requirement. The manufacturer has not been able to provide us with the data.</p> <p>The total amount of foam was provided by the stockholder in m3 and converted to tonnes assuming a density of 1000 kg/m3.</p> <p>Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p>

Code assigned to the stockpile for the report	ES0000000019
Date of Notification	15/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	FP-70 ANGUS 3-6% FP (Firefighting foam)
Total mass of the stockpile (tonnes)	16.2
Concentration of the POP in the mixture or article (mg/kg)	20,000
Quantity of the Substance (tonnes)	0.324
Management Measures in place	Mobile equipment, transportable cans / IBCs for emergencies
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>The exact concentration of PFOA (or related substances) in the foams installed before the entry into force of the EU regulation 2017/1000 is unknown since the manufacturer did not perform an exact measurement as it was not a requirement. The manufacturer has not been able to provide us with the data.</p> <p>The total amount of foam was provided by the stockholder in m3 and converted to tonnes assuming a density of 1000 kg/m3.</p> <p>Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p>

Code assigned to the stockpile for the report	ES0000000020
Date of Notification	15/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	National foam 3% AFFF (Firefighting foam)
Total mass of the stockpile (tonnes)	1.7
Concentration of the POP in the mixture or article (mg/kg)	
Quantity of the Substance (tonnes)	
Management Measures in place	Mobile equipment, transportable cans / IBCs for emergencies
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>The exact concentration of PFOA (or related substances) in the foams installed before the entry into force of the EU regulation 2017/1000 is unknown since the manufacturer did not perform an exact measurement as it was not a requirement. The manufacturer has not been able to provide us with the data.</p> <p>The total amount of foam was provided by the stockholder in m3 and converted to tonnes assuming a density of 1000 kg/m3.</p> <p>Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p>

Code assigned to the stockpile for the report	ES0000000021
Date of Notification	15/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	THUNDERSTORM 1-3% FC-601A AR-AFFF (Firefighting foam)
Total mass of the stockpile (tonnes)	78.4
Concentration of the POP in the mixture or article (mg/kg)	40,000
Quantity of the Substance (tonnes)	3.136
Management Measures in place	Fixed equipment
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>The exact concentration of PFOA (or related substances) in the foams installed before the entry into force of the EU regulation 2017/1000 is unknown since the manufacturer did not perform an exact measurement as it was not a requirement. The manufacturer has not been able to provide us with the data.</p> <p>The total amount of foam was provided by the stockholder in m³ and converted to tonnes assuming a density of 1000 kg/m³.</p> <p>Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p>

Code assigned to the stockpile for the report	ES0000000022
Date of Notification	15/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	THUNDERSTORM 1-3% FC-601A AR-AFFF (Firefighting foam)
Total mass of the stockpile (tonnes)	96
Concentration of the POP in the mixture or article (mg/kg)	40,000
Quantity of the Substance (tonnes)	3.84
Management Measures in place	Mobile equipment
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>The exact concentration of PFOA (or related substances) in the foams installed before the entry into force of the EU regulation 2017/1000 is unknown since the manufacturer did not perform an exact measurement as it was not a requirement. The manufacturer has not been able to provide us with the data.</p> <p>The total amount of foam was provided by the stockholder in m³ and converted to tonnes assuming a density of 1000 kg/m³.</p> <p>Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p>

Code assigned to the stockpile for the report	ES0000000023
Date of Notification	15/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	THUNDERSTORM 1-3% FC-601A AR-AFFF (Firefighting foam)
Total mass of the stockpile (tonnes)	197.6
Concentration of the POP in the mixture or article (mg/kg)	80,000
Quantity of the Substance (tonnes)	15.808
Management Measures in place	Cans/ICBs in plant associated to monitors
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>The exact concentration of PFOA (or related substances) in the foams installed before the entry into force of the EU regulation 2017/1000 is unknown since the manufacturer did not perform an exact measurement as it was not a requirement. The manufacturer has not been able to provide us with the data.</p> <p>The total amount of foam was provided by the stockholder in m³ and converted to tonnes assuming a density of 1000 kg/m³.</p> <p>Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p>

Code assigned to the stockpile for the report	ES0000000024
Date of Notification	15/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	THUNDERSTORM 1-3% FC-601A AR-AFFF (Firefighting foam)
Total mass of the stockpile (tonnes)	330.4
Concentration of the POP in the mixture or article (mg/kg)	200,000
Quantity of the Substance (tonnes)	66.08
Management Measures in place	Fixed equipment
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>The exact concentration of PFOA (or related substances) in the foams installed before the entry into force of the EU regulation 2017/1000 is unknown since the manufacturer did not perform an exact measurement as it was not a requirement. The manufacturer has not been able to provide us with the data.</p> <p>The total amount of foam was provided by the stockholder in m³ and converted to tonnes assuming a density of 1000 kg/m³.</p> <p>Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p>

Code assigned to the stockpile for the report	ES0000000025
Date of Notification	15/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	THUNDERSTORM 1-3% FC-601A AR-AFFF (Firefighting foam)
Total mass of the stockpile (tonnes)	135.2
Concentration of the POP in the mixture or article (mg/kg)	160,000
Quantity of the Substance (tonnes)	21.632
Management Measures in place	Mobile equipment, transportable cans / IBCs for emergencies
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>The exact concentration of PFOA (or related substances) in the foams installed before the entry into force of the EU regulation 2017/1000 is unknown since the manufacturer did not perform an exact measurement as it was not a requirement. The manufacturer has not been able to provide us with the data.</p> <p>The total amount of foam was provided by the stockholder in m³ and converted to tonnes assuming a density of 1000 kg/m³.</p> <p>Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p>

Code assigned to the stockpile for the report	ES0000000026
Date of Notification	15/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	THUNDERSTORM 1-3% FC-601A-FP AR-AFFF (Firefighting foam)
Total mass of the stockpile (tonnes)	45
Concentration of the POP in the mixture or article (mg/kg)	50,000
Quantity of the Substance (tonnes)	2.25
Management Measures in place	Fixed equipment
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>The exact concentration of PFOA (or related substances) in the foams installed before the entry into force of the EU regulation 2017/1000 is unknown since the manufacturer did not perform an exact measurement as it was not a requirement. The manufacturer has not been able to provide us with the data.</p> <p>The total amount of foam was provided by the stockholder in m³ and converted to tonnes assuming a density of 1000 kg/m³.</p> <p>Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p>

Code assigned to the stockpile for the report	ES0000000027
Date of Notification	15/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	THUNDERSTORM 1-3% FC-601A-FP AR-AFFF (Firefighting foam)
Total mass of the stockpile (tonnes)	14
Concentration of the POP in the mixture or article (mg/kg)	50,000
Quantity of the Substance (tonnes)	0.7
Management Measures in place	Mobile equipment, transportable cans / IBCs for emergencies
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>The exact concentration of PFOA (or related substances) in the foams installed before the entry into force of the EU regulation 2017/1000 is unknown since the manufacturer did not perform an exact measurement as it was not a requirement. The manufacturer has not been able to provide us with the data.</p> <p>The total amount of foam was provided by the stockholder in m³ and converted to tonnes assuming a density of 1000 kg/m³.</p> <p>Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p>

Code assigned to the stockpile for the report	ES0000000028
Date of Notification	15/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	TRIDOL "S" AFFF 3% from ANGUS (Hidroc) (Firefighting foam)
Total mass of the stockpile (tonnes)	22
Concentration of the POP in the mixture or article (mg/kg)	
Quantity of the Substance (tonnes)	
Management Measures in place	Mobile equipment, transportable cans / IBCs for emergencies
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>The exact concentration of PFOA (or related substances) in the foams installed before the entry into force of the EU regulation 2017/1000 is unknown since the manufacturer did not perform an exact measurement as it was not a requirement. The manufacturer has not been able to provide us with the data.</p> <p>The total amount of foam was provided by the stockholder in m³ and converted to tonnes assuming a density of 1000 kg/m³.</p> <p>Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p>

Code assigned to the stockpile for the report	ES0000000029
Date of Notification	15/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	TRIDOL "S" tipo AFFF 3% from ANGUS FIRE TRIDOL "ATF" 3/6% (Firefighting foam)
Total mass of the stockpile (tonnes)	6
Concentration of the POP in the mixture or article (mg/kg)	
Quantity of the Substance (tonnes)	
Management Measures in place	Mobile equipment, transportable cans / IBCs for emergencies
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>The exact concentration of PFOA (or related substances) in the foams installed before the entry into force of the EU regulation 2017/1000 is unknown since the manufacturer did not perform an exact measurement as it was not a requirement. The manufacturer has not been able to provide us with the data.</p> <p>The total amount of foam was provided by the stockholder in m³ and converted to tonnes assuming a density of 1000 kg/m³.</p> <p>Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p>

Code assigned to the stockpile for the report	ES0000000030
Date of Notification	15/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	ULTRAGUARD (CHEMGUARD) 3% AR-AFFF (Firefighting foam)
Total mass of the stockpile (tonnes)	0.8
Concentration of the POP in the mixture or article (mg/kg)	40,000
Quantity of the Substance (tonnes)	0.032
Management Measures in place	Mobile equipment, transportable cans / IBCs for emergencies
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>The exact concentration of PFOA (or related substances) in the foams installed before the entry into force of the EU regulation 2017/1000 is unknown since the manufacturer did not perform an exact measurement as it was not a requirement. The manufacturer has not been able to provide us with the data.</p> <p>The total amount of foam was provided by the stockholder in m³ and converted to tonnes assuming a density of 1000 kg/m³.</p> <p>Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p>

Code assigned to the stockpile for the report	ES0000000031
Date of Notification	15/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	ULTRAGUARD (CHEMGUARD) 3-3% AR-AFFF (Firefighting foam)
Total mass of the stockpile (tonnes)	2
Concentration of the POP in the mixture or article (mg/kg)	40,000
Quantity of the Substance (tonnes)	0.08
Management Measures in place	Mobile equipment, transportable cans / IBCs for emergencies
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>The exact concentration of PFOA (or related substances) in the foams installed before the entry into force of the EU regulation 2017/1000 is unknown since the manufacturer did not perform an exact measurement as it was not a requirement. The manufacturer has not been able to provide us with the data.</p> <p>The total amount of foam was provided by the stockholder in m³ and converted to tonnes assuming a density of 1000 kg/m³.</p> <p>Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p>

Code assigned to the stockpile for the report	ES0000000032
Date of Notification	15/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	ULTRAGUARD (CUG) 1-3% AR AFFF (Firefighting foam)
Total mass of the stockpile (tonnes)	14.5
Concentration of the POP in the mixture or article (mg/kg)	40,000
Quantity of the Substance (tonnes)	0.58
Management Measures in place	Mobile equipment, transportable cans / IBCs for emergencies
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>The exact concentration of PFOA (or related substances) in the foams installed before the entry into force of the EU regulation 2017/1000 is unknown since the manufacturer did not perform an exact measurement as it was not a requirement. The manufacturer has not been able to provide us with the data.</p> <p>The total amount of foam was provided by the stockholder in m³ and converted to tonnes assuming a density of 1000 kg/m³.</p> <p>Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p>

Code assigned to the stockpile for the report	ES0000000033
Date of Notification	15/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	ULTRAGUARD 1% AR AFFF (Firefighting foam)
Total mass of the stockpile (tonnes)	12
Concentration of the POP in the mixture or article (mg/kg)	40,000
Quantity of the Substance (tonnes)	0.48
Management Measures in place	Mobile equipment
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>The exact concentration of PFOA (or related substances) in the foams installed before the entry into force of the EU regulation 2017/1000 is unknown since the manufacturer did not perform an exact measurement as it was not a requirement. The manufacturer has not been able to provide us with the data.</p> <p>The total amount of foam was provided by the stockholder in m3 and converted to tonnes assuming a density of 1000 kg/m3.</p> <p>Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p>

Code assigned to the stockpile for the report	ES0000000034
Date of Notification	15/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	ULTRAGUARD 1-3% AR AFFF (Firefighting foam)
Total mass of the stockpile (tonnes)	60.6
Concentration of the POP in the mixture or article (mg/kg)	40,000
Quantity of the Substance (tonnes)	2.424
Management Measures in place	Fixed equipment
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>The exact concentration of PFOA (or related substances) in the foams installed before the entry into force of the EU regulation 2017/1000 is unknown since the manufacturer did not perform an exact measurement as it was not a requirement. The manufacturer has not been able to provide us with the data.</p> <p>The total amount of foam was provided by the stockholder in m3 and converted to tonnes assuming a density of 1000 kg/m3.</p> <p>Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p>

Code assigned to the stockpile for the report	ES0000000035
Date of Notification	15/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	ULTRAGUARD 3% AR AFFF (Firefighting foam)
Total mass of the stockpile (tonnes)	150.1
Concentration of the POP in the mixture or article (mg/kg)	80,000
Quantity of the Substance (tonnes)	12.008
Management Measures in place	Fixed equipment
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>The exact concentration of PFOA (or related substances) in the foams installed before the entry into force of the EU regulation 2017/1000 is unknown since the manufacturer did not perform an exact measurement as it was not a requirement. The manufacturer has not been able to provide us with the data.</p> <p>The total amount of foam was provided by the stockholder in m3 and converted to tonnes assuming a density of 1000 kg/m3.</p> <p>Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p>

Code assigned to the stockpile for the report	ES0000000036
Date of Notification	15/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	ULTRAGUARD AF AR-AFFF (Firefighting foam)
Total mass of the stockpile (tonnes)	5
Concentration of the POP in the mixture or article (mg/kg)	40,000
Quantity of the Substance (tonnes)	0.2
Management Measures in place	Mobile equipment, transportable cans / IBCs for emergencies
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>The exact concentration of PFOA (or related substances) in the foams installed before the entry into force of the EU regulation 2017/1000 is unknown since the manufacturer did not perform an exact measurement as it was not a requirement. The manufacturer has not been able to provide us with the data.</p> <p>The total amount of foam was provided by the stockholder in m3 and converted to tonnes assuming a density of 1000 kg/m3.</p> <p>Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p>

Code assigned to the stockpile for the report	ES0000000037
Date of Notification	15/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	ANSUL 3-6% AFFF (Firefighting foam)
Total mass of the stockpile (tonnes)	6
Concentration of the POP in the mixture or article (mg/kg)	
Quantity of the Substance (tonnes)	
Management Measures in place	Cans/ICBs in plant associated to monitors
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>The exact concentration of PFOA (or related substances) in the foams installed before the entry into force of the EU regulation 2017/1000 is unknown since the manufacturer did not perform an exact measurement as it was not a requirement. The manufacturer has not been able to provide us with the data.</p> <p>The total amount of foam was provided by the stockholder in m3 and converted to tonnes assuming a density of 1000 kg/m3.</p> <p>Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p>

Code assigned to the stockpile for the report	ES0000000038
Date of Notification	15/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	ANSUL 3-6% AFFF (Firefighting foam)
Total mass of the stockpile (tonnes)	8
Concentration of the POP in the mixture or article (mg/kg)	
Quantity of the Substance (tonnes)	
Management Measures in place	Fixed equipment
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>The exact concentration of PFOA (or related substances) in the foams installed before the entry into force of the EU regulation 2017/1000 is unknown since the manufacturer did not perform an exact measurement as it was not a requirement. The manufacturer has not been able to provide us with the data.</p> <p>The total amount of foam was provided by the stockholder in m3 and converted to tonnes assuming a density of 1000 kg/m3.</p> <p>Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p>

Code assigned to the stockpile for the report	ES0000000039
Date of Notification	15/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	THUNDERSTORM 1-3% FC-601A AR-AFFF (Firefighting foam)
Total mass of the stockpile (tonnes)	6
Concentration of the POP in the mixture or article (mg/kg)	40,000
Quantity of the Substance (tonnes)	0.24
Management Measures in place	Fixed equipment
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>The exact concentration of PFOA (or related substances) in the foams installed before the entry into force of the EU regulation 2017/1000 is unknown since the manufacturer did not perform an exact measurement as it was not a requirement. The manufacturer has not been able to provide us with the data.</p> <p>The total amount of foam was provided by the stockholder in m³ and converted to tonnes assuming a density of 1000 kg/m³.</p> <p>Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p>

Code assigned to the stockpile for the report	ES0000000041
Date of Notification	19/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	Hydral 3 Plus (Firefighting foam)
Total mass of the stockpile (tonnes)	1180
Concentration of the POP in the mixture or article (mg/kg)	
Quantity of the Substance (tonnes)	
Management Measures in place	Tank 1200 litres placed in Turbine room Jerrycan in the Fire Brigade warehouse 200 litres
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

Code assigned to the stockpile for the report	ES0000000042
Date of Notification	31/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	AUXQUIMIA 1,3
Total mass of the stockpile (tonnes)	50.5
Concentration of the POP in the mixture or article (mg/kg)	10
Quantity of the Substance (tonnes)	0.000505
Management Measures in place	<p>To collect firewater, our sites have bunded areas, waterproof ground, rainwater drainage blocked systems to avoid contamination, drainage systems for water treatment and emergency pools for collecting contaminated water.</p> <p>In case of an incident, our pools are prepared to contain all the water that would be generated during the fire and the size of these pools are based on the worst cases scenarios of each site. All the water generated during the fire, is diverted to the water treatment plant; in these plants the water is continuously monitored with analytics ensuring the compliance with the limit values set by the legislation. If a higher treatment is necessary, a specific treatment will be carried out with expressly designed package units. Annual training for first responders and guarantee their competences to face any fire or any incident that it requires the use of foam for firefighting</p>
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>Any stockpile is managed and stored in the facilities maintaining all the safety requirements to avoid any uncontrolled release to the environment. Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p> <p>Stockpile holder has begun to define the transition plan according to the new regulations</p>

Code assigned to the stockpile for the report	ES0000000043
Date of Notification	31/10/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	WILLIAMS 1,3
Total mass of the stockpile (tonnes)	55.5
Concentration of the POP in the mixture or article (mg/kg)	50
Quantity of the Substance (tonnes)	0.002775
Management Measures in place	<p>To collect firewater, our sites have bunded areas, waterproof ground, rainwater drainage blocked systems to avoid contamination, drainage systems for water treatment and emergency pools for collecting contaminated water.</p> <p>In case of an incident, our pools are prepared to contain all the water that would be generated during the fire and the size of these pools are based on the worst cases scenarios of each site. All the water generated during the fire, is diverted to the water treatment plant; in these plants the water is continuously monitored with analytics ensuring the compliance with the limit values set by the legislation. If a higher treatment is necessary, a specific treatment will be carried out with expressly designed package units. Used in annual training for first responders and guarantee their competences to face any fire or any incident that it requires the use of foam for firefighting</p>
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	<p>Any stockpile is managed and stored in the facilities maintaining all the safety requirements to avoid any uncontrolled release to the environment. Concentrations, when given, are the maximum value of the range provided by the manufacturer.</p> <p>Stockpile holder has begun to define the transition plan according to the new regulations</p>

Sweden

Code assigned to the stockpile for the report	SE0000000001
Date of Notification	15/06/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	Fire fighting foam
Total mass of the stockpile (tonnes)	144
Concentration of the POP in the mixture or article (mg/kg)	8.4
Quantity of the Substance (tonnes)	0.0012096
Management Measures in place	The stockpile is located at 4 different places in Sweden: Malmö; Göteborg; Stockholm; Sundsvall. The foam is stored in IBC-containers (1 m ³ plastic containers) which are placed indoors in warehouses. They are only used in case of rescue operation in case of cistern fire.
Intended use / article description	Stockpiles of fire-fighting foam containing PFOA for liquid fuel vapour suppression and liquid fuel fire (Class B fires) already installed in systems
Additional information	

the Czech Republic

Code assigned to the stockpile for the report	CZ0000000001
Date of Notification	20/09/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	foam concentrate
Total mass of the stockpile (tonnes)	56.3
Concentration of the POP in the mixture or article (mg/kg)	
Quantity of the Substance (tonnes)	
Management Measures in place	original packaging (25L, 200L, or 1000L) and/or already installed in systems, including both mobile and fixed systems
Intended use / article description	
Additional information	Approved laboratories are able to identify only several dozen compounds and only small part of them falls within the definition "PFOA-related compounds". More sophisticated laboratories are able to provide so call TOPA (Total Oxidizable Precursor Assay). TOPA can determine total amount of PFAS compounds. But no analysis can determine total amount of PFOA compounds, particularly group of PFOA-related compounds. PFOA-related compounds is group of substances defined by EU legislation in form of indicative list of compounds. This makes impossible to verify limits of these compounds in mixtures and we can rely only on what is declare by producers. In summary we are not able to provide the exact concentration in mg/kg.

Code assigned to the stockpile for the report	CZ0000000002
Date of Notification	29/09/2021
Substance or Group of Substances	Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds
Substance member of a group	
EC number	
CAS number	
Stockpile type	mixture
Description of the mixture (optional)	foam concentrate
Total mass of the stockpile (tonnes)	65.3
Concentration of the POP in the mixture or article (mg/kg)	
Quantity of the Substance (tonnes)	
Management Measures in place	original packaging (200L, or 1000L) and/or already installed in systems, including both mobile and fixed systems
Intended use / article description	
Additional information	Approved laboratories are able to identify only several dozen compounds and only small part of them falls within the definition "PFOA-related compounds". More sophisticated laboratories are able to provide so call TOPA (Total Oxidizable Precursor Assay). TOPA can determine total amount of PFAS compounds. But no analysis can determine total amount of PFOA compounds, particularly group of PFOA-related compounds. PFOA-related compounds is group of substances defined by EU legislation in form of indicative list of compounds. This makes impossible to verify limits of these compounds in mixtures and we can rely only on what is declare by producers. In summary we are not able to provide the exact concentration in mg/kg.

Polychlorinated Biphenyls (PCB)

Cyprus

Code assigned to the stockpile for the report	CY0000000001
Date of Notification	22/06/2015
Substance or Group of Substances	Polychlorinated Biphenyls (PCB)
Substance member of a group	1,1'-Biphenyl, chloro derivs.
EC number	215-648-1
CAS number	1336-36-3
Stockpile type	mixture
Description of the mixture (optional)	Oil in transformer
Total mass of the stockpile (tonnes)	0.05
Concentration of the POP in the mixture or article (mg/kg)	51
Quantity of the Substance (tonnes)	0.00000255
Management Measures in place	
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	CY0000000002
Date of Notification	22/06/2015
Substance or Group of Substances	Polychlorinated Biphenyls (PCB)
Substance member of a group	1,1'-Biphenyl, chloro derivs.
EC number	215-648-1
CAS number	1336-36-3
Stockpile type	mixture
Description of the mixture (optional)	Oil in tranformer
Total mass of the stockpile (tonnes)	0.13
Concentration of the POP in the mixture or article (mg/kg)	54
Quantity of the Substance (tonnes)	0.00000702
Management Measures in place	
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	CY0000000003
Date of Notification	08/07/2015
Substance or Group of Substances	Polychlorinated Biphenyls (PCB)
Substance member of a group	1,1'-Biphenyl, chloro derivs.
EC number	215-648-1
CAS number	1336-36-3
Stockpile type	mixture
Description of the mixture (optional)	Oil in tranformer
Total mass of the stockpile (tonnes)	0.4
Concentration of the POP in the mixture or article (mg/kg)	378
Quantity of the Substance (tonnes)	0.0001512
Management Measures in place	A methodology regarding H&S for transformers cleaning is provided.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	CY0000000004
Date of Notification	08/07/2015
Substance or Group of Substances	Polychlorinated Biphenyls (PCB)
Substance member of a group	1,1'-Biphenyl, chloro derivs.
EC number	215-648-1
CAS number	1336-36-3
Stockpile type	mixture
Description of the mixture (optional)	Oil in tranformer
Total mass of the stockpile (tonnes)	0.018
Concentration of the POP in the mixture or article (mg/kg)	129
Quantity of the Substance (tonnes)	0.000002322
Management Measures in place	Regular inspections by the stockpile holder's engineers./The transformer is stored on impervious surface.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	CY0000000005
Date of Notification	08/07/2015
Substance or Group of Substances	Polychlorinated Biphenyls (PCB)
Substance member of a group	1,1'-Biphenyl, chloro derivs.
EC number	215-648-1
CAS number	1336-36-3
Stockpile type	mixture
Description of the mixture (optional)	Oil in tranformer
Total mass of the stockpile (tonnes)	0.112
Concentration of the POP in the mixture or article (mg/kg)	97
Quantity of the Substance (tonnes)	0.000010864
Management Measures in place	Regular inspections by the stockpile holder's engineers./The transformer is stored on impervious surface.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	CY0000000006
Date of Notification	08/07/2015
Substance or Group of Substances	Polychlorinated Biphenyls (PCB)
Substance member of a group	1,1'-Biphenyl, chloro derivs.
EC number	215-648-1
CAS number	1336-36-3
Stockpile type	mixture
Description of the mixture (optional)	Oil in tranformer
Total mass of the stockpile (tonnes)	0.088
Concentration of the POP in the mixture or article (mg/kg)	62
Quantity of the Substance (tonnes)	0.000005456
Management Measures in place	Regular inspections by the stockpile holder's engineers./The transformer is stored on impervious surface.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	CY0000000007
Date of Notification	08/07/2015
Substance or Group of Substances	Polychlorinated Biphenyls (PCB)
Substance member of a group	1,1'-Biphenyl, chloro derivs.
EC number	215-648-1
CAS number	1336-36-3
Stockpile type	mixture
Description of the mixture (optional)	Oil in tranformer
Total mass of the stockpile (tonnes)	0.018
Concentration of the POP in the mixture or article (mg/kg)	92
Quantity of the Substance (tonnes)	0.000001656
Management Measures in place	Regular inspections by the stockpile holder's engineers./The transformer is stored on impervious surface.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	CY0000000008
Date of Notification	09/07/2015
Substance or Group of Substances	Polychlorinated Biphenyls (PCB)
Substance member of a group	1,1'-Biphenyl, chloro derivs.
EC number	215-648-1
CAS number	1336-36-3
Stockpile type	mixture
Description of the mixture (optional)	Oil in tranformer
Total mass of the stockpile (tonnes)	
Concentration of the POP in the mixture or article (mg/kg)	439
Quantity of the Substance (tonnes)	
Management Measures in place	The transformer is out of order/will be removed.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	CY0000000009
Date of Notification	17/07/2015
Substance or Group of Substances	Polychlorinated Biphenyls (PCB)
Substance member of a group	1,1'-Biphenyl, chloro derivs.
EC number	215-648-1
CAS number	1336-36-3
Stockpile type	mixture
Description of the mixture (optional)	Oil in tranformer
Total mass of the stockpile (tonnes)	0.746
Concentration of the POP in the mixture or article (mg/kg)	96
Quantity of the Substance (tonnes)	0.000071616
Management Measures in place	Maintenance by the EAC/The transformer is stored on impervious surface.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	CY0000000010
Date of Notification	28/08/2015
Substance or Group of Substances	Polychlorinated Biphenyls (PCB)
Substance member of a group	1,1'-Biphenyl, chloro derivs.
EC number	215-648-1
CAS number	1336-36-3
Stockpile type	mixture
Description of the mixture (optional)	Oil in transformer
Total mass of the stockpile (tonnes)	0.022
Concentration of the POP in the mixture or article (mg/kg)	100
Quantity of the Substance (tonnes)	0.0000022
Management Measures in place	Regular inspections by the stockpile holder's engineers./The transformer is stored on impervious surface.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	CY0000000011
Date of Notification	09/09/2015
Substance or Group of Substances	Polychlorinated Biphenyls (PCB)
Substance member of a group	1,1'-Biphenyl, chloro derivs.
EC number	215-648-1
CAS number	1336-36-3
Stockpile type	mixture
Description of the mixture (optional)	Oil in transformer
Total mass of the stockpile (tonnes)	0.74
Concentration of the POP in the mixture or article (mg/kg)	58
Quantity of the Substance (tonnes)	0.00004292
Management Measures in place	The transformer is out of order/will be removed.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	CY0000000012
Date of Notification	09/08/2017
Substance or Group of Substances	Polychlorinated Biphenyls (PCB)
Substance member of a group	1,1'-Biphenyl, chloro derivs.
EC number	215-648-1
CAS number	1336-36-3
Stockpile type	mixture
Description of the mixture (optional)	Oil in capacitor
Total mass of the stockpile (tonnes)	0.755
Concentration of the POP in the mixture or article (mg/kg)	
Quantity of the Substance (tonnes)	
Management Measures in place	The capacitor is out of order/will be removed
Intended use / article description	
Additional information	

Ireland

Code assigned to the stockpile for the report	IE0000000001
Date of Notification	
Substance or Group of Substances	Polychlorinated Biphenyls (PCB)
Substance member of a group	1,1'-Biphenyl, chloro derivs.
EC number	215-648-1
CAS number	1336-36-3
Stockpile type	mixture
Description of the mixture (optional)	Insulating oil for electrical equipment
Total mass of the stockpile (tonnes)	0.025
Concentration of the POP in the mixture or article (mg/kg)	
Quantity of the Substance (tonnes)	
Management Measures in place	The holder notifies the EPA on a yearly basis via the EPA's online reporting system (www.edenireland.ie). The organisation is a registered user and has a nominated point of contact to complete the notification each year. The equipment is in continued use and undergoes regular maintenance where required and is checked on a regular basis. The equipment is housed within locked switchrooms with limited staff access and not open to the elements.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	IE0000000002
Date of Notification	
Substance or Group of Substances	Polychlorinated Biphenyls (PCB)
Substance member of a group	1,1'-Biphenyl, chloro derivs.
EC number	215-648-1
CAS number	1336-36-3
Stockpile type	mixture
Description of the mixture (optional)	Insulating oil for electrical equipment
Total mass of the stockpile (tonnes)	0.0675
Concentration of the POP in the mixture or article (mg/kg)	276
Quantity of the Substance (tonnes)	0.00001863
Management Measures in place	The holder notifies the EPA on a yearly basis via the EPA's online reporting system (www.edenireland.ie). The organisation is a registered user and has a nominated point of contact to complete the notification each year. The equipment is in continued use and undergoes regular maintenance where required and is checked on a regular basis. The equipment is housed within locked switchrooms with limited staff access and not open to the elements.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	IE0000000003
Date of Notification	
Substance or Group of Substances	Polychlorinated Biphenyls (PCB)
Substance member of a group	1,1'-Biphenyl, chloro derivs.
EC number	215-648-1
CAS number	1336-36-3
Stockpile type	mixture
Description of the mixture (optional)	Insulating oil for electrical equipment
Total mass of the stockpile (tonnes)	2.1135
Concentration of the POP in the mixture or article (mg/kg)	85
Quantity of the Substance (tonnes)	0.000179648
Management Measures in place	The holder notifies the EPA on a yearly basis via the EPA's online reporting system (www.edenireland.ie). The organisation is a registered user and has a nominated point of contact to complete the notification each year. The equipment is in continued use and undergoes regular maintenance where required and is checked on a regular basis. The equipment is housed within locked switchrooms with limited staff access and not open to the elements.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	IE0000000004
Date of Notification	
Substance or Group of Substances	Polychlorinated Biphenyls (PCB)
Substance member of a group	1,1'-Biphenyl, chloro derivs.
EC number	215-648-1
CAS number	1336-36-3
Stockpile type	mixture
Description of the mixture (optional)	Insulating oil for electrical equipment
Total mass of the stockpile (tonnes)	0.783
Concentration of the POP in the mixture or article (mg/kg)	122
Quantity of the Substance (tonnes)	0.000095526
Management Measures in place	The holder notifies the EPA on a yearly basis via the EPA's online reporting system (www.edenireland.ie). The organisation is a registered user and has a nominated point of contact to complete the notification each year. The equipment is in continued use and undergoes regular maintenance where required and is checked on a regular basis. The equipment is housed within locked switchrooms with limited staff access and not open to the elements.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	IE0000000005
Date of Notification	
Substance or Group of Substances	Polychlorinated Biphenyls (PCB)
Substance member of a group	1,1'-Biphenyl, chloro derivs.
EC number	215-648-1
CAS number	1336-36-3
Stockpile type	mixture
Description of the mixture (optional)	Insulating oil for electrical equipment
Total mass of the stockpile (tonnes)	1.275
Concentration of the POP in the mixture or article (mg/kg)	245
Quantity of the Substance (tonnes)	0.000312375
Management Measures in place	The holder notifies the EPA on a yearly basis via the EPA's online reporting system (www.edenireland.ie). The organisation is a registered user and has a nominated point of contact to complete the notification each year. The equipment is in continued use and undergoes regular maintenance where required and is checked on a regular basis. The equipment is housed within locked switchrooms with limited staff access and not open to the elements.
Intended use / article description	
Additional information	

Code assigned to the stockpile for the report	IE0000000006
Date of Notification	
Substance or Group of Substances	Polychlorinated Biphenyls (PCB)
Substance member of a group	1,1'-Biphenyl, chloro derivs.
EC number	215-648-1
CAS number	1336-36-3
Stockpile type	mixture
Description of the mixture (optional)	Insulating oil for electrical equipment
Total mass of the stockpile (tonnes)	0.027
Concentration of the POP in the mixture or article (mg/kg)	
Quantity of the Substance (tonnes)	
Management Measures in place	The holder notifies the EPA on a yearly basis via the EPA's online reporting system (www.edenireland.ie). The organisation is a registered user and has a nominated point of contact to complete the notification each year. The equipment is in continued use and undergoes regular maintenance where required and is checked on a regular basis. The equipment is housed within locked switchrooms with limited staff access and not open to the elements.
Intended use / article description	
Additional information	

Lithuania

Code assigned to the stockpile for the report	LT0000000001
Date of Notification	26/02/2020
Substance or Group of Substances	Polychlorinated Biphenyls (PCB)
Substance member of a group	
EC number	
CAS number	
Stockpile type	article
Description of the mixture (optional)	
Total mass of the stockpile (tonnes)	31.375
Concentration of the POP in the mixture or article (mg/kg)	90
Quantity of the Substance (tonnes)	0.00282375
Management Measures in place	Designated person in charge of maintenance of equipment containing PCBs; Equipment and premises are marked with the necessary information notes; Once a year, a commission appointed by the order of the director inspects transformers filled with oil-containing PCBs and draws up a report; Transformer premises are locked.
Intended use / article description	
Additional information	In 2019 the total number of 5 PCB-containing equipment with the amount of 7,5 tons of associated fluid . They were still in operation

Code assigned to the stockpile for the report	LT0000000002
Date of Notification	27/10/2020
Substance or Group of Substances	Polychlorinated Biphenyls (PCB)
Substance member of a group	
EC number	
CAS number	
Stockpile type	article
Description of the mixture (optional)	
Total mass of the stockpile (tonnes)	12.55
Concentration of the POP in the mixture or article (mg/kg)	90
Quantity of the Substance (tonnes)	0.0011295
Management Measures in place	Designated person in charge of maintenance of equipment containing PCBs; Equipment and premises are marked with the necessary information notes; Once a year, a commission appointed by the order of the director inspects transformers filled with oil-containing PCBs and draws up a report; Transformer premises are locked.
Intended use / article description	
Additional information	In 2019 the total number of 2 PCB-containing equipment with the amount of 3 tons of associated fluid . They were still in operation

Code assigned to the stockpile for the report	LT0000000003
Date of Notification	22/01/2021
Substance or Group of Substances	Polychlorinated Biphenyls (PCB)
Substance member of a group	
EC number	
CAS number	
Stockpile type	article
Description of the mixture (optional)	
Total mass of the stockpile (tonnes)	31.375
Concentration of the POP in the mixture or article (mg/kg)	90
Quantity of the Substance (tonnes)	0.00282375
Management Measures in place	Designated person in charge of maintenance of equipment containing PCBs; Equipment and premises are marked with the necessary information notes; Once a year, a commission appointed by the order of the director inspects transformers filled with oil-containing PCBs and draws up a report; Transformer premises are locked.
Intended use / article description	
Additional information	In 2020 the total number of 5 PCB-containing equipment with the amount of 7,5 tons of associated fluid . They were still in operation

Code assigned to the stockpile for the report	LT0000000004
Date of Notification	27/10/2021
Substance or Group of Substances	Polychlorinated Biphenyls (PCB)
Substance member of a group	
EC number	
CAS number	
Stockpile type	article
Description of the mixture (optional)	
Total mass of the stockpile (tonnes)	12.55
Concentration of the POP in the mixture or article (mg/kg)	90
Quantity of the Substance (tonnes)	0.0011295
Management Measures in place	Designated person in charge of maintenance of equipment containing PCBs; Equipment and premises are marked with the necessary information notes; Once a year, a commission appointed by the order of the director inspects transformers filled with oil-containing PCBs and draws up a report; Transformer premises are locked.
Intended use / article description	
Additional information	In 2020 the total number of 2 PCB-containing equipment with the amount of 3 tons of associated fluid . They were still in operation

Code assigned to the stockpile for the report	LT0000000005
Date of Notification	25/01/2022
Substance or Group of Substances	Polychlorinated Biphenyls (PCB)
Substance member of a group	
EC number	
CAS number	
Stockpile type	article
Description of the mixture (optional)	
Total mass of the stockpile (tonnes)	31.375
Concentration of the POP in the mixture or article (mg/kg)	90
Quantity of the Substance (tonnes)	0.00282375
Management Measures in place	Designated person in charge of maintenance of equipment containing PCBs; Equipment and premises are marked with the necessary information notes; Once a year, a commission appointed by the order of the director inspects transformers filled with oil-containing PCBs and draws up a report; Transformer premises are locked.
Intended use / article description	
Additional information	In 2021 the total number of 5 PCB-containing equipment with the amount of 7,5 tons of associated fluid . They were still in operation

Code assigned to the stockpile for the report	LT0000000006
Date of Notification	23/08/2022
Substance or Group of Substances	Polychlorinated Biphenyls (PCB)
Substance member of a group	
EC number	
CAS number	
Stockpile type	article
Description of the mixture (optional)	
Total mass of the stockpile (tonnes)	12.55
Concentration of the POP in the mixture or article (mg/kg)	90
Quantity of the Substance (tonnes)	0.0011295
Management Measures in place	Designated person in charge of maintenance of equipment containing PCBs; Equipment and premises are marked with the necessary information notes; Once a year, a commission appointed by the order of the director inspects transformers filled with oil-containing PCBs and draws up a report; Transformer premises are locked.
Intended use / article description	
Additional information	In 2021 the total number of 2 PCB-containing equipment with the amount of 3 tons of associated fluid . They were still in operation

Code assigned to the stockpile for the report	LT0000000007
Date of Notification	23/01/2023
Substance or Group of Substances	Polychlorinated Biphenyls (PCB)
Substance member of a group	
EC number	
CAS number	
Stockpile type	article
Description of the mixture (optional)	
Total mass of the stockpile (tonnes)	31.375
Concentration of the POP in the mixture or article (mg/kg)	90
Quantity of the Substance (tonnes)	0.00282375
Management Measures in place	Designated person in charge of maintenance of equipment containing PCBs; Equipment and premises are marked with the necessary information notes; Once a year, a commission appointed by the order of the director inspects transformers filled with oil-containing PCBs and draws up a report; Transformer premises are locked.
Intended use / article description	
Additional information	In 2022 the total number of 5 PCB-containing equipment with the amount of 7,5 tons of associated fluid . They were still in operation

Code assigned to the stockpile for the report	LT0000000008
Date of Notification	23/01/2023
Substance or Group of Substances	Polychlorinated Biphenyls (PCB)
Substance member of a group	
EC number	
CAS number	
Stockpile type	article
Description of the mixture (optional)	
Total mass of the stockpile (tonnes)	12.55
Concentration of the POP in the mixture or article (mg/kg)	90
Quantity of the Substance (tonnes)	0.0011295
Management Measures in place	Designated person in charge of maintenance of equipment containing PCBs; Equipment and premises are marked with the necessary information notes; Once a year, a commission appointed by the order of the director inspects transformers filled with oil-containing PCBs and draws up a report; Transformer premises are locked.
Intended use / article description	
Additional information	In 2022 the total number of 2 PCB-containing equipment with the amount of 3 tons of associated fluid . They were still in operation

Spain

Code assigned to the stockpile for the report	ES0000000001
Date of Notification	31/12/2020
Substance or Group of Substances	Polychlorinated Biphenyls (PCB)
Substance member of a group	
EC number	
CAS number	
Stockpile type	article
Description of the mixture (optional)	
Total mass of the stockpile (tonnes)	20217.79
Concentration of the POP in the mixture or article (mg/kg)	
Quantity of the Substance (tonnes)	
Management Measures in place	
Intended use / article description	
Additional information	<p>The information is extracted from the National PCB Inventory as integration of the inventories prepared by the competent authorities of the different Autonomous Communities, based on the data provided by the PCB holders in their corresponding declarations.</p> <p>The total amount of 20217.79 tons can be broken down into 4 groups or types of stockpile:</p> <ul style="list-style-type: none"> - 619.79 tonnes with a PCB concentration above 500 mg/kg; - 18787.68 tonnes with a PCB concentration between 50 and 500 mg/kg; - 11.87 tonnes with a PCB concentration of above 50 mg/kg (PCB volume 1-5 dm³); - 798.46 tonnes with unknown PCB concentration. <p>Since the concentrations of each group are expressed in ranges, we believe that a specific and unique value of PCB concentration should not be assigned to the groups.</p>

Appendix C. Releases to the environment of unintentionally produced POPs - additional data

Additional data on releases to air, land and water of Annex III substances, which are not covered by the Protocol or the E-PRTR, as reported by the Member States in their national reports.

Table 14. Additional data on unintentional releases of POPs to the environment.

Country	Year	Substance	Environmental compartment	Value (annual emissions estimate)	Units	Brief description of the methodology used for deriving the estimate
Belgium	2010	Polycyclic aromatic hydrocarbons (PAHs)	water	2,849,662.12	g	Estimate reported by the Flemish region using the WEISS-model
Belgium	2012	Polycyclic aromatic hydrocarbons (PAHs)	water	2,888,003.1	g	Estimate reported by the Flemish region using the WEISS-model
Belgium	2015	Polycyclic aromatic hydrocarbons (PAHs)	water	2,680,904.78	g	Estimate reported by the Flemish region using the WEISS-model
Belgium	2018	Polycyclic aromatic hydrocarbons (PAHs)	water	2,668,610.98	g	Estimate reported by the Flemish region using the WEISS-model
Belgium	2019	Pentachlorobenzene	water	7.56	kg	Estimate reported by the Brussels Capital region for STEP Nord
Belgium	2019	Polycyclic aromatic hydrocarbons (PAHs)	water	2,671,662.37	g	7,35 kg is the estimate reported by the Brussels Capital region for STEP Nord and 2664312,367 g is the estimate reported by the Flemish region using the WEISS-model
Belgium	2020	Polycyclic aromatic hydrocarbons (PAHs)	water	2,650,973.16	g	Estimate reported by the Flemish region using the WEISS-model
Bulgaria	2019	Hexachlorobenzene	land	0.11		For 2019 there are 109 points in land, all values measured are normal, the average value measured for HCB is 0.001 mg/kg.
Bulgaria	2019	Pentachlorobenzene	land	0.17		For 2019 there are 109 points measured for PeCB and 57 of them are measured 0.002 mg/kg, and 52 of them measured 0.001 mg/kg.
Bulgaria	2019	Polychlorinated Biphenyls (PCB)	land	0.65		For 2019, there are 653 measurements in land, all measurements at all points are normal. All measured values have an average value of 0.001 mg/kg.

Country	Year	Substance	Environmental compartment	Value (annual emissions estimate)	Units	Brief description of the methodology used for deriving the estimate
Bulgaria	2019	Polycyclic aromatic hydrocarbons (PAHs)	land	5.34		For 2019 there are 1743 points in which PAHs are measured in land. The average value measured for most PAHs is 0.001 mg/l.
Bulgaria	2020	Hexachlorobenzene	land	0.03		For 2020 there are 24 points in land, all values measured are normal, the average value measured for HCB is 0.001 mg/kg. There is only one value measured 0.010667 mg/kg.
Bulgaria	2020	Pentachlorobenzene	land	0.03		For 2020 there are 24 points measured for PeCB and 23 of them are 0.001 mg/kg which is the limit value, and only one value measured (0.01066666667 mg/kg) that exceed the limit value of 0.001.
Bulgaria	2020	Polychlorinated Biphenyls (PCB)	land	0.14		For 2020, there are 143 measurements in land, all measurements at all points are normal. All measured values have an average value of 0.001 mg/kg.
Bulgaria	2020	Polycyclic aromatic hydrocarbons (PAHs)	land	1.34		For 2020 there are 383 points in which PAHs are measured in land. The average value measured is 0.001 mg/l. For Benzo(b,j,k) fluoranten the average value measured is 0.002 mg/l.
Croatia	2019	Hexachlorobenzene	water	1.97	kg	measured; analytical method used
Croatia	2019	Hexachlorobutadiene	water	0.55	kg	measured; analytical method used
Croatia	2019	Polychlorinated Biphenyls (PCB)	water	0.22	kg	measured; analytical method used
Croatia	2019	Polycyclic aromatic hydrocarbons (PAHs)	water	0.43	kg	measured; analytical method used
Croatia	2020	Hexachlorobutadiene	water	0.14	kg	measured; analytical method used
Croatia	2020	Polychlorinated Biphenyls (PCB)	water	0.02	kg	measured; analytical method used
Croatia	2020	Polycyclic aromatic hydrocarbons (PAHs)	water	0.06	kg	measured; analytical method used
Denmark	2021	Hexachlorobenzene	land	0	kg	Historically not found in any samples of sewage sludge above detection limit

Country	Year	Substance	Environmental compartment	Value (annual emissions estimate)	Units	Brief description of the methodology used for deriving the estimate
Denmark	2021	Hexachlorobutadiene	land	0	kg	Historically not found in any samples of sewage sludge above detection limit
Denmark	2021	Pentachlorobenzene	land	0	kg	Historically not found in any samples of sewage sludge above detection limit
Denmark	2021	Polychlorinated Biphenyls (PCB)	land	10.79	kg	analysed in sludge from selected wastewater treatment plant only PCB 28,52, 101, 118,138, 153 180
Denmark	2021	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	0.91	kg	based on historical analyses of sewage sludge
Denmark	2021	Polychlorinated naphthalenes	land	0	kg	Historically not found in any samples of sewage sludge above detection limit
Denmark	2021	Polycyclic aromatic hydrocarbons (PAHs)	land	190.9	kg	based on concentration in sewage sludge
Estonia	2019	Hexachlorobutadiene	air	0		There are no emissions of HCBd to ambient air in Estonia
Estonia	2019	Polychlorinated naphthalenes	air	0.85	kg	Emissions of PCN have been calculated from municipal, hazardous, hospital waste incineration and also from wood burning in domestic sector. Calculations of emissions from waste incineration are based on data from enterprises, from wood combustion - on statistical data. Emission factors of "Study on waste related issues of newly listed POPs and candidate POPs" BiPRO 2011 were used in calculations.
Finland	2019	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	water	0.01	g	The dioxin emissions to surface waters via effluents of the largest 17 municipal wastewater treatment plants (MWWTPs) were estimated at < 0.05 g TEQ/a in Finland (Vieno, 2014 for Finnish Water Utilities Association). This estimate is assumed to be still valid https://www.vvy.fi/site/assets/files/1617/haitalliset_aineen_jatevedenpuhdistamoilla_hankkeen_loppuraportti.pdf

Country	Year	Substance	Environmental compartment	Value (annual emissions estimate)	Units	Brief description of the methodology used for deriving the estimate
Finland	2019	Polycyclic aromatic hydrocarbons (PAHs)	land	0.08	kg	measured
Finland	2019	Polycyclic aromatic hydrocarbons (PAHs)	water	5.22	kg	measured
Finland	2020	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	water	0.01	g	The dioxin emissions to surface waters via effluents of the largest 17 municipal wastewater treatment plants (MWWTPs) were estimated at < 0.05 g TEQ/a in Finland (Vieno, 2014). This estimate is assumed to be still valid https://www.vvy.fi/site/assets/files/1617/haitalliset_aineen_jatevedenpuhdistamoilla_hankkeen_loppuraportti.pdf
Finland	2020	Polycyclic aromatic hydrocarbons (PAHs)	land	0.04	kg	measured
Finland	2020	Polycyclic aromatic hydrocarbons (PAHs)	water	11.67	kg	measured
France	1990	Hexachlorobutadiene	air	1,197	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	1990	Polychlorinated Biphenyls (PCB)	land	178	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	1990	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	1,797	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	1990	Polycyclic aromatic hydrocarbons (PAHs)	land	45	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	1991	Hexachlorobutadiene	air	1,219	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	1991	Polychlorinated Biphenyls (PCB)	land	175	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA

Country	Year	Substance	Environmental compartment	Value (annual emissions estimate)	Units	Brief description of the methodology used for deriving the estimate
France	1991	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	1,847	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	1991	Polycyclic aromatic hydrocarbons (PAHs)	land	53	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	1992	Hexachlorobutadiene	air	1,245	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	1992	Polychlorinated Biphenyls (PCB)	land	164	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	1992	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	1,876	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	1992	Polycyclic aromatic hydrocarbons (PAHs)	land	52	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	1993	Hexachlorobutadiene	air	629	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	1993	Polychlorinated Biphenyls (PCB)	land	176	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	1993	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	1,933	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	1993	Polycyclic aromatic hydrocarbons (PAHs)	land	50	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	1994	Hexachlorobutadiene	air	74	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA

Country	Year	Substance	Environmental compartment	Value (annual emissions estimate)	Units	Brief description of the methodology used for deriving the estimate
France	1994	Polychlorinated Biphenyls (PCB)	land	142	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	1994	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	1,936	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	1994	Polycyclic aromatic hydrocarbons (PAHs)	land	44	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	1995	Hexachlorobutadiene	air	71	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	1995	Polychlorinated Biphenyls (PCB)	land	152	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	1995	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	1,738	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	1995	Polycyclic aromatic hydrocarbons (PAHs)	land	44	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	1996	Hexachlorobutadiene	air	72	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	1996	Polychlorinated Biphenyls (PCB)	land	147	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	1996	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	1,523	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	1996	Polycyclic aromatic hydrocarbons (PAHs)	land	47	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA

Country	Year	Substance	Environmental compartment	Value (annual emissions estimate)	Units	Brief description of the methodology used for deriving the estimate
France	1997	Hexachlorobutadiene	air	64	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	1997	Polychlorinated Biphenyls (PCB)	land	128	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	1997	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	1,093	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	1997	Polycyclic aromatic hydrocarbons (PAHs)	land	42	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	1998	Hexachlorobutadiene	air	57	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	1998	Polychlorinated Biphenyls (PCB)	land	126	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	1998	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	993	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	1998	Polycyclic aromatic hydrocarbons (PAHs)	land	42	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	1999	Hexachlorobutadiene	air	50	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	1999	Polychlorinated Biphenyls (PCB)	land	112	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	1999	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	667	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA

Country	Year	Substance	Environmental compartment	Value (annual emissions estimate)	Units	Brief description of the methodology used for deriving the estimate
France	1999	Polycyclic aromatic hydrocarbons (PAHs)	land	40	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2000	Hexachlorobutadiene	air	45	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2000	Polychlorinated Biphenyls (PCB)	land	98	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2000	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	575	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2000	Polycyclic aromatic hydrocarbons (PAHs)	land	38	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2001	Hexachlorobutadiene	air	36	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2001	Polychlorinated Biphenyls (PCB)	land	90	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2001	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	445	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2001	Polycyclic aromatic hydrocarbons (PAHs)	land	37	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2002	Hexachlorobutadiene	air	28	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2002	Polychlorinated Biphenyls (PCB)	land	67	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA

Country	Year	Substance	Environmental compartment	Value (annual emissions estimate)	Units	Brief description of the methodology used for deriving the estimate
France	2002	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	417	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2002	Polycyclic aromatic hydrocarbons (PAHs)	land	35	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2003	Hexachlorobutadiene	air	22	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2003	Hexachlorobutadiene	water	18	kg	based on the declarations of the main discharges and transfers of pollutants in water, air and waste declared by certain establishments under French law
France	2003	Polychlorinated Biphenyls (PCB)	land	67	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2003	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	298	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2003	Polycyclic aromatic hydrocarbons (PAHs)	land	36	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2004	Hexachlorobutadiene	air	17	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2004	Hexachlorobutadiene	water	38	kg	based on the declarations of the main discharges and transfers of pollutants in water, air and waste declared by certain establishments under French law
France	2004	Polychlorinated Biphenyls (PCB)	land	69	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA

Country	Year	Substance	Environmental compartment	Value (annual emissions estimate)	Units	Brief description of the methodology used for deriving the estimate
France	2004	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	379	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2004	Polycyclic aromatic hydrocarbons (PAHs)	land	36	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2005	Hexachlorobutadiene	air	12	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2005	Hexachlorobutadiene	water	20	kg	based on the declarations of the main discharges and transfers of pollutants in water, air and waste declared by certain establishments under French law
France	2005	Polychlorinated Biphenyls (PCB)	land	69	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2005	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	260	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2005	Polycyclic aromatic hydrocarbons (PAHs)	land	34	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2006	Hexachlorobutadiene	air	7	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2006	Hexachlorobutadiene	water	9	kg	based on the declarations of the main discharges and transfers of pollutants in water, air and waste declared by certain establishments under French law
France	2006	Polychlorinated Biphenyls (PCB)	land	64	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA

Country	Year	Substance	Environmental compartment	Value (annual emissions estimate)	Units	Brief description of the methodology used for deriving the estimate
France	2006	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	186	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2006	Polycyclic aromatic hydrocarbons (PAHs)	land	32	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2007	Hexachlorobutadiene	air	7	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2007	Hexachlorobutadiene	water	42	kg	based on the declarations of the main discharges and transfers of pollutants in water, air and waste declared by certain establishments under French law
France	2007	Polychlorinated Biphenyls (PCB)	land	60	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2007	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	184	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2007	Polycyclic aromatic hydrocarbons (PAHs)	land	31	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2008	Hexachlorobutadiene	air	19	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2008	Hexachlorobutadiene	water	340	kg	based on the declarations of the main discharges and transfers of pollutants in water, air and waste declared by certain establishments under French law
France	2008	Polychlorinated Biphenyls (PCB)	land	59	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA

Country	Year	Substance	Environmental compartment	Value (annual emissions estimate)	Units	Brief description of the methodology used for deriving the estimate
France	2008	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	172	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2008	Polycyclic aromatic hydrocarbons (PAHs)	land	33	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2009	Hexachlorobutadiene	air	19	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2009	Hexachlorobutadiene	water	45	kg	based on the declarations of the main discharges and transfers of pollutants in water, air and waste declared by certain establishments under French law
France	2009	Polychlorinated Biphenyls (PCB)	land	53	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2009	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	156	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2009	Polycyclic aromatic hydrocarbons (PAHs)	land	33	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2010	Hexachlorobutadiene	air	21	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2010	Hexachlorobutadiene	water	88	kg	based on the declarations of the main discharges and transfers of pollutants in water, air and waste declared by certain establishments under French law
France	2010	Polychlorinated Biphenyls (PCB)	land	54	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA

Country	Year	Substance	Environmental compartment	Value (annual emissions estimate)	Units	Brief description of the methodology used for deriving the estimate
France	2010	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	170	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2010	Polycyclic aromatic hydrocarbons (PAHs)	land	36	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2011	Hexachlorobutadiene	air	20	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2011	Hexachlorobutadiene	water	166	kg	based on the declarations of the main discharges and transfers of pollutants in water, air and waste declared by certain establishments under French law
France	2011	Polychlorinated Biphenyls (PCB)	land	46	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2011	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	159	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2011	Polycyclic aromatic hydrocarbons (PAHs)	land	31	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2012	Hexachlorobutadiene	air	20	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2012	Hexachlorobutadiene	water	165	kg	based on the declarations of the main discharges and transfers of pollutants in water, air and waste declared by certain establishments under French law
France	2012	Polychlorinated Biphenyls (PCB)	land	50	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA

Country	Year	Substance	Environmental compartment	Value (annual emissions estimate)	Units	Brief description of the methodology used for deriving the estimate
France	2012	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	149	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2012	Polycyclic aromatic hydrocarbons (PAHs)	land	34	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2013	Hexachlorobutadiene	air	21	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2013	Hexachlorobutadiene	water	145	kg	based on the declarations of the main discharges and transfers of pollutants in water, air and waste declared by certain establishments under French law
France	2013	Polychlorinated Biphenyls (PCB)	land	50	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2013	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	155	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2013	Polycyclic aromatic hydrocarbons (PAHs)	land	37	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2014	Hexachlorobutadiene	air	23	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2014	Hexachlorobutadiene	water	177	kg	based on the declarations of the main discharges and transfers of pollutants in water, air and waste declared by certain establishments under French law
France	2014	Polychlorinated Biphenyls (PCB)	land	42	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA

Country	Year	Substance	Environmental compartment	Value (annual emissions estimate)	Units	Brief description of the methodology used for deriving the estimate
France	2014	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	146	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2014	Polycyclic aromatic hydrocarbons (PAHs)	land	32	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2015	Hexachlorobutadiene	air	25	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2015	Hexachlorobutadiene	water	158	kg	based on the declarations of the main discharges and transfers of pollutants in water, air and waste declared by certain establishments under French law
France	2015	Polychlorinated Biphenyls (PCB)	land	41	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2015	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	146	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2015	Polycyclic aromatic hydrocarbons (PAHs)	land	33	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2016	Hexachlorobutadiene	air	26	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2016	Hexachlorobutadiene	water	177	kg	based on the declarations of the main discharges and transfers of pollutants in water, air and waste declared by certain establishments under French law
France	2016	Polychlorinated Biphenyls (PCB)	land	41	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA

Country	Year	Substance	Environmental compartment	Value (annual emissions estimate)	Units	Brief description of the methodology used for deriving the estimate
France	2016	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	135	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2016	Polycyclic aromatic hydrocarbons (PAHs)	land	35	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2017	Hexachlorobutadiene	air	28	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2017	Hexachlorobutadiene	water	119	kg	based on the declarations of the main discharges and transfers of pollutants in water, air and waste declared by certain establishments under French law
France	2017	Polychlorinated Biphenyls (PCB)	land	42	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2017	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	132	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2017	Polycyclic aromatic hydrocarbons (PAHs)	land	35	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2018	Hexachlorobutadiene	air	29	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2018	Hexachlorobutadiene	water	159	kg	based on the declarations of the main discharges and transfers of pollutants in water, air and waste declared by certain establishments under French law
France	2018	Polychlorinated Biphenyls (PCB)	land	38	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA

Country	Year	Substance	Environmental compartment	Value (annual emissions estimate)	Units	Brief description of the methodology used for deriving the estimate
France	2018	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	128	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2018	Polycyclic aromatic hydrocarbons (PAHs)	land	34	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2019	Hexachlorobutadiene	air	30	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2019	Hexachlorobutadiene	water	192	kg	based on the declarations of the main discharges and transfers of pollutants in water, air and waste declared by certain establishments under French law
France	2019	Polychlorinated Biphenyls (PCB)	land	33	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2019	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	124	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2019	Polycyclic aromatic hydrocarbons (PAHs)	land	35	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2020	Hexachlorobutadiene	air	28	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2020	Polychlorinated Biphenyls (PCB)	land	30	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2020	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	118	kg	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA
France	2020	Polycyclic aromatic hydrocarbons (PAHs)	land	32	tons	France has set up a national inventory of emissions for 4 POPs (PCB, HCB, HAP, PCDD / PCDF) - SECTEN report from CITEPA

Country	Year	Substance	Environmental compartment	Value (annual emissions estimate)	Units	Brief description of the methodology used for deriving the estimate
Ireland	1990	Hexachlorobenzene	land	0.08	kg	Derived from State-specific data on HCB concentrations in pesticides.
Ireland	1990	Hexachlorobenzene	water	0		Derived from State-specific data on HCB concentrations in pesticides.
Ireland	1990	Polychlorinated Biphenyls (PCB)	land	221.23	kg	Derived from information on relevant electrical power management equipment provided by the National PCB Inventory.
Ireland	1990	Polychlorinated Biphenyls (PCB)	water	5.1	kg	Derived from information on relevant electrical power management equipment provided by the National PCB Inventory.
Ireland	1990	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	6.54	g I-TEQ (NATO-ITEF 1998)	Derived from relevant emission factors outlined in the Toolkit for Identification and Quantification of Releases of Dioxins, Furans and Other Unintentional Persistent Organic Pollutants (UNEP Toolkit).
Ireland	1990	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	water	0.52	g I-TEQ (NATO-ITEF 1998)	Derived from relevant emission factors outlined in the Toolkit for Identification and Quantification of Releases of Dioxins, Furans and Other Unintentional Persistent Organic Pollutants (UNEP Toolkit).
Ireland	1995	Hexachlorobenzene	land	0.13	kg	Derived from State-specific data on HCB concentrations in pesticides.
Ireland	1995	Hexachlorobenzene	water	0.01		Derived from State-specific data on HCB concentrations in pesticides.
Ireland	1995	Polychlorinated Biphenyls (PCB)	land	220.75	kg	Derived from information on relevant electrical power management equipment provided by the National PCB Inventory.
Ireland	1995	Polychlorinated Biphenyls (PCB)	water	5.4	kg	Derived from information on relevant electrical power management equipment provided by the National PCB Inventory.

Country	Year	Substance	Environmental compartment	Value (annual emissions estimate)	Units	Brief description of the methodology used for deriving the estimate
Ireland	1995	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	6.61	g I-TEQ (NATO-ITEF 1998)	Derived from relevant emission factors outlined in the Toolkit for Identification and Quantification of Releases of Dioxins, Furans and Other Unintentional Persistent Organic Pollutants (UNEP Toolkit).
Ireland	1995	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	water	0.55	g I-TEQ (NATO-ITEF 1998)	Derived from relevant emission factors outlined in the Toolkit for Identification and Quantification of Releases of Dioxins, Furans and Other Unintentional Persistent Organic Pollutants (UNEP Toolkit).
Ireland	2000	Hexachlorobenzene	land	0.2	kg	Derived from State-specific data on HCB concentrations in pesticides.
Ireland	2000	Hexachlorobenzene	water	0.01		Derived from State-specific data on HCB concentrations in pesticides.
Ireland	2000	Polychlorinated Biphenyls (PCB)	land	185.81	kg	Derived from information on relevant electrical power management equipment provided by the National PCB Inventory.
Ireland	2000	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	6.66	g I-TEQ (NATO-ITEF 1998)	Derived from relevant emission factors outlined in the Toolkit for Identification and Quantification of Releases of Dioxins, Furans and Other Unintentional Persistent Organic Pollutants (UNEP Toolkit).
Ireland	2000	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	water	0.33	g I-TEQ (NATO-ITEF 1998)	Derived from relevant emission factors outlined in the Toolkit for Identification and Quantification of Releases of Dioxins, Furans and Other Unintentional Persistent Organic Pollutants (UNEP Toolkit).
Ireland	2005	Hexachlorobenzene	land	0.51	kg	Derived from State-specific data on HCB concentrations in pesticides.
Ireland	2005	Hexachlorobenzene	water	0.02		Derived from State-specific data on HCB concentrations in pesticides.
Ireland	2005	Polychlorinated Biphenyls (PCB)	land	187.53	kg	Derived from information on relevant electrical power management equipment provided by the National PCB Inventory.

Country	Year	Substance	Environmental compartment	Value (annual emissions estimate)	Units	Brief description of the methodology used for deriving the estimate
Ireland	2005	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	8.64	g I-TEQ (NATO-ITEF 1998)	Derived from relevant emission factors outlined in the Toolkit for Identification and Quantification of Releases of Dioxins, Furans and Other Unintentional Persistent Organic Pollutants (UNEP Toolkit).
Ireland	2005	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	water	0.28	g I-TEQ (NATO-ITEF 1998)	Derived from relevant emission factors outlined in the Toolkit for Identification and Quantification of Releases of Dioxins, Furans and Other Unintentional Persistent Organic Pollutants (UNEP Toolkit).
Ireland	2010	Hexachlorobenzene	land	0.34	kg	Derived from State-specific data on HCB concentrations in pesticides.
Ireland	2010	Hexachlorobenzene	water	0.01		Derived from State-specific data on HCB concentrations in pesticides.
Ireland	2010	Polychlorinated Biphenyls (PCB)	land	39.15	kg	Derived from information on relevant electrical power management equipment provided by the National PCB Inventory.
Ireland	2010	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	9.66	g I-TEQ (NATO-ITEF 1998)	Derived from relevant emission factors outlined in the Toolkit for Identification and Quantification of Releases of Dioxins, Furans and Other Unintentional Persistent Organic Pollutants (UNEP Toolkit).
Ireland	2010	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	water	0.2	g I-TEQ (NATO-ITEF 1998)	Derived from relevant emission factors outlined in the Toolkit for Identification and Quantification of Releases of Dioxins, Furans and Other Unintentional Persistent Organic Pollutants (UNEP Toolkit).
Ireland	2011	Hexachlorobenzene	land	0.32	kg	Derived from State-specific data on HCB concentrations in pesticides.
Ireland	2011	Hexachlorobenzene	water	0.01		Derived from State-specific data on HCB concentrations in pesticides.
Ireland	2011	Polychlorinated Biphenyls (PCB)	land	28.15	kg	Derived from information on relevant electrical power management equipment provided by the National PCB Inventory.

Country	Year	Substance	Environmental compartment	Value (annual emissions estimate)	Units	Brief description of the methodology used for deriving the estimate
Ireland	2011	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	9.03	g I-TEQ (NATO-ITEF 1998)	Derived from relevant emission factors outlined in the Toolkit for Identification and Quantification of Releases of Dioxins, Furans and Other Unintentional Persistent Organic Pollutants (UNEP Toolkit).
Ireland	2011	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	water	0.19	g I-TEQ (NATO-ITEF 1998)	Derived from relevant emission factors outlined in the Toolkit for Identification and Quantification of Releases of Dioxins, Furans and Other Unintentional Persistent Organic Pollutants (UNEP Toolkit).
Ireland	2012	Hexachlorobenzene	land	0.3	kg	Derived from State-specific data on HCB concentrations in pesticides.
Ireland	2012	Hexachlorobenzene	water	0.01		Derived from State-specific data on HCB concentrations in pesticides.
Ireland	2012	Polychlorinated Biphenyls (PCB)	land	32.82	g	Derived from information on relevant electrical power management equipment provided by the National PCB Inventory.
Ireland	2012	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	8.5	g I-TEQ (NATO-ITEF 1998)	Derived from relevant emission factors outlined in the Toolkit for Identification and Quantification of Releases of Dioxins, Furans and Other Unintentional Persistent Organic Pollutants (UNEP Toolkit).
Ireland	2012	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	water	0.18	g I-TEQ (NATO-ITEF 1998)	Derived from relevant emission factors outlined in the Toolkit for Identification and Quantification of Releases of Dioxins, Furans and Other Unintentional Persistent Organic Pollutants (UNEP Toolkit).
Ireland	2013	Hexachlorobenzene	land	0.29	kg	Derived from State-specific data on HCB concentrations in pesticides.
Ireland	2013	Hexachlorobenzene	water	0.01		Derived from State-specific data on HCB concentrations in pesticides.
Ireland	2013	Polychlorinated Biphenyls (PCB)	land	23.19	kg	Derived from information on relevant electrical power management equipment provided by the National PCB Inventory.

Country	Year	Substance	Environmental compartment	Value (annual emissions estimate)	Units	Brief description of the methodology used for deriving the estimate
Ireland	2013	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	8.66	g I-TEQ (NATO-ITEF 1998)	Derived from relevant emission factors outlined in the Toolkit for Identification and Quantification of Releases of Dioxins, Furans and Other Unintentional Persistent Organic Pollutants (UNEP Toolkit).
Ireland	2013	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	water	0.15	g I-TEQ (NATO-ITEF 1998)	Derived from relevant emission factors outlined in the Toolkit for Identification and Quantification of Releases of Dioxins, Furans and Other Unintentional Persistent Organic Pollutants (UNEP Toolkit).
Ireland	2014	Hexachlorobenzene	land	0.29	kg	Derived from State-specific data on HCB concentrations in pesticides.
Ireland	2014	Hexachlorobenzene	water	0.01		Derived from State-specific data on HCB concentrations in pesticides.
Ireland	2014	Polychlorinated Biphenyls (PCB)	land	18.92	kg	Derived from information on relevant electrical power management equipment provided by the National PCB Inventory.
Ireland	2014	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	8.45	g I-TEQ (NATO-ITEF 1998)	Derived from relevant emission factors outlined in the Toolkit for Identification and Quantification of Releases of Dioxins, Furans and Other Unintentional Persistent Organic Pollutants (UNEP Toolkit).
Ireland	2014	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	water	0.14	g I-TEQ (NATO-ITEF 1998)	Derived from relevant emission factors outlined in the Toolkit for Identification and Quantification of Releases of Dioxins, Furans and Other Unintentional Persistent Organic Pollutants (UNEP Toolkit).
Ireland	2015	Hexachlorobenzene	land	0.27	kg	Derived from State-specific data on HCB concentrations in pesticides.
Ireland	2015	Hexachlorobenzene	water	0.01		Derived from State-specific data on HCB concentrations in pesticides.
Ireland	2015	Polychlorinated Biphenyls (PCB)	land	20.78	kg	Derived from information on relevant electrical power management equipment provided by the National PCB Inventory.

Country	Year	Substance	Environmental compartment	Value (annual emissions estimate)	Units	Brief description of the methodology used for deriving the estimate
Ireland	2015	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	land	9.28	g I-TEQ (NATO-ITEF 1998)	Derived from relevant emission factors outlined in the Toolkit for Identification and Quantification of Releases of Dioxins, Furans and Other Unintentional Persistent Organic Pollutants (UNEP Toolkit).
Ireland	2015	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)	water	0.14	g I-TEQ (NATO-ITEF 1998)	Derived from relevant emission factors outlined in the Toolkit for Identification and Quantification of Releases of Dioxins, Furans and Other Unintentional Persistent Organic Pollutants (UNEP Toolkit).
Lithuania	2019	Polycyclic aromatic hydrocarbons (PAHs)	water	0.02	kg	Gas chromatography mass spectrometry (all polycyclic aromatic hydrocarbons, not only persistent organic pollutants), discharged into sewerage
Lithuania	2020	Polycyclic aromatic hydrocarbons (PAHs)	water	0.02	kg	Gas chromatography mass spectrometry (all polycyclic aromatic hydrocarbons, not only persistent organic pollutants), discharged into sewerage
Lithuania	2021	Hexachlorobutadiene	water	0	tons	LST EN ISO 15680:2004
Lithuania	2021	Polycyclic aromatic hydrocarbons (PAHs)	water	0.04	kg	US EPA 8270
Lithuania	2022	Hexachlorobutadiene	water	0	tons	LST EN ISO 15680:2004; CZ-SOP-D06-03-169 (S)
Lithuania	2022	Pentachlorobenzene	water	0	tons	LST EN ISO 15680:2004; CZ-SOP-D06-03-169 (S)
Lithuania	2022	Polycyclic aromatic hydrocarbons (PAHs)	water	0.03	kg	LST EN ISO 17993:2004
Malta	2019	Hexachlorobenzene	water	0.07	kg	measured
Malta	2019	Hexachlorobutadiene	water	0.5	kg	measured
Malta	2019	Polychlorinated Biphenyls (PCB)	water	0.22	kg	measured
Malta	2019	Polycyclic aromatic hydrocarbons (PAHs)	water	9.38	kg	measured

Country	Year	Substance	Environmental compartment	Value (annual emissions estimate)	Units	Brief description of the methodology used for deriving the estimate
Malta	2020	Polychlorinated Biphenyls (PCB)	water	0.05	kg	measured
Malta	2020	Polycyclic aromatic hydrocarbons (PAHs)	water	3.69	kg	measured

Appendix D. Art. 7(4)(b)(iv) notifications

Information about the specific authorisations for waste treatment derogation granted by the Member States.

Germany

Authorisation identification number	ENR5NDG00719
Name of the competent authority	Regierungspräsidium Darmstadt Abteilung Arbeitsschutz und Umwelt Frankfurt
Address of the competent authority	Gutleutstraße 114 60327 Frankfurt am Main
Date	02/05/2019
Authorisation holder (company name)	Infraserv GmbH & Co. Höchst KG
Authorisation holder address	Industriepark Höchst 65926 Frankfurt am Main
Summary of justification of preferability of the management	The waste holder has demonstrated to the competent authority that, from an environmental point of view, recovery in the Salinar mine backfill is to be considered the most appropriate disposal method.
Website address or other reference where to find more information on the authorisation and the justification of the exemption, if available:	not available
Six digit code as laid down in Commission Decision 2000/532/EC as amended	190107*
Waste name as laid down in Decision 2000/532/EC as amended	solid wastes from gas treatment
Approved amount in tonnes	2,500
Name in accordance with the substance name laid down in Annex IV	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)
Substance name (when part of a group)	
CAS number	-
Concentration of the substance in the waste	15 µg/kg
Pre-treatment method (if needed)	
Name of final storage site	Versatzbergwerk NDH Entsorgerbetreibergesellschaft
Address of final storage site	Nordhäuserstr. 70 99752 Bleicherode

Authorisation identification number	
Name of the competent authority	Niedersächsische Gesellschaft zur Endablagerung von Sonderabfall mbH
Address of the competent authority	Alexanderstrasse 4-5 30159 Hannover
Date	06/06/2019
Authorisation holder (company name)	GEKA mbH
Authorisation holder address	Humboldtstraße 110 29633 Munster
Summary of justification of preferability of the management	The waste is produced in a furnace for thermal disposal of ammunition and explosives downstream of a hot gas filter (third incineration plant). The dust is separated via filter systems and, for technical reasons, does not pass through the post-combustion or the flue gas scrubbing system. Due to the specific composition of the dusts, it is not technically possible to use them in either the first or second incineration plant.
Website address or other reference where to find more information on the authorisation and the justification of the exemption, if available:	
Six digit code as laid down in Commission Decision 2000/532/EC as amended	190111*
Waste name as laid down in Decision 2000/532/EC as amended	bottom ash and slag containing hazardous substances
Approved amount in tonnes	1,000
Name in accordance with the substance name laid down in Annex IV	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)
Substance name (when part of a group)	
CAS number	-
Concentration of the substance in the waste	32 µg/kg
Pre-treatment method (if needed)	
Name of final storage site	GSES mbH
Address of final storage site	Untertagedeponie Schachtstraße 20-22 99706 Sondershausen

Authorisation identification number	
Name of the competent authority	Regierung von Oberbayern
Address of the competent authority	Maximilianstraße 39 80538 München
Date	16/10/2019
Authorisation holder (company name)	Geiger Umweltsanierung GmbH & Co. KG
Authorisation holder address	Herzmanns 10 87448 Waltenhofen
Summary of justification of preferability of the management	Due to the risk of releasing asbestos fibres, the floorflex panels from the remediation of a PCB damage cannot be thermally disposed of in the federal state of Bavaria.
Website address or other reference where to find more information on the authorisation and the justification of the exemption, if available:	
Six digit code as laid down in Commission Decision 2000/532/EC as amended	170902*
Waste name as laid down in Decision 2000/532/EC as amended	construction and demolition wastes containing PCB (for example PCB-containing sealants, PCB-containing resin-based floorings, PCB-containing sealed glazing units, PCB-containing capacitors)
Approved amount in tonnes	3
Name in accordance with the substance name laid down in Annex IV	Polychlorinated Biphenyls (PCB)
Substance name (when part of a group)	
CAS number	
Concentration of the substance in the waste	139 mg/kg
Pre-treatment method (if needed)	
Name of final storage site	GSES mbH
Address of final storage site	Untertagedeponie Schachtstraße 20-22 99706 Sondershausen

Authorisation identification number	
Name of the competent authority	Regierung von Oberbayern
Address of the competent authority	Maximilianstraße 39 80538 München
Date	04/02/2020
Authorisation holder (company name)	GSB Sonderabfall-Entsorgung Bayern GmbH
Authorisation holder address	Äußerer Ring 50 85107 Baar-Ebenhausen
Summary of justification of preferability of the management	Due to the danger of releasing asbestos fibres, the POP-containing waste with high organic contents and a high heating value could not be thermally disposed of in the federal state of Bavaria.
Website address or other reference where to find more information on the authorisation and the justification of the exemption, if available:	
Six digit code as laid down in Commission Decision 2000/532/EC as amended	170903*
Waste name as laid down in Decision 2000/532/EC as amended	other construction and demolition wastes (including mixed wastes) containing hazardous substances
Approved amount in tonnes	999
Name in accordance with the substance name laid down in Annex IV	Hexabromocyclododecane
Substance name (when part of a group)	
CAS number	
Concentration of the substance in the waste	1,900 mg/kg
Pre-treatment method (if needed)	
Name of final storage site	K+S Minerals and Agriculture GmbH
Address of final storage site	Herfagrund 36266 Heringen

Authorisation identification number	
Name of the competent authority	Regierung von Oberbayern
Address of the competent authority	Maximilianstraße 39 80538 München
Date	06/04/2020
Authorisation holder (company name)	GSB Sonderabfall-Entsorgung Bayern GmbH (Rettenmeier Holding AG)
Authorisation holder address	Äußerer Ring 50 85107 Baar-Ebenhausen
Summary of justification of preferability of the management	Due to the hazardous nature (dioxin contamination), GSB cannot empty the fly ash / filter ash from the Rettenmeier Holding AG power plant into the open bunker at its facility and send it for incineration when it is delivered in the silo vehicle.
Website address or other reference where to find more information on the authorisation and the justification of the exemption, if available:	
Six digit code as laid down in Commission Decision 2000/532/EC as amended	100118*
Waste name as laid down in Decision 2000/532/EC as amended	wastes from gas cleaning containing hazardous substances
Approved amount in tonnes	250
Name in accordance with the substance name laid down in Annex IV	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)
Substance name (when part of a group)	
CAS number	-
Concentration of the substance in the waste	158 µg/kg
Pre-treatment method (if needed)	
Name of final storage site	Untertagedeponie UEV Umwelt Entsorgung und Verwertung GmbH
Address of final storage site	Salzgrund 67 74076 Heilbronn

Authorisation identification number	
Name of the competent authority	Regierungspräsidium Freiburg
Address of the competent authority	Albertstr. 5 79104 Freiburg i. Br.
Date	06/04/2020
Authorisation holder (company name)	Südwestdeutsche Salzwerke AG
Authorisation holder address	Salzgrund 67 74076 Heilbronn
Summary of justification of preferability of the management	Hazardousness of the waste due to the PCDD/-F content does not allow unloading in the silo train for incineration Gefährlichkeit des Abfalls aufgrund der Gehalte an PCDD/-F lässt eine Entladung im Silozug zur Verbrennung nicht zu
Website address or other reference where to find more information on the authorisation and the justification of the exemption, if available:	
Six digit code as laid down in Commission Decision 2000/532/EC as amended	190107*
Waste name as laid down in Decision 2000/532/EC as amended	solid wastes from gas treatment
Approved amount in tonnes	500
Name in accordance with the substance name laid down in Annex IV	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)
Substance name (when part of a group)	
CAS number	-
Concentration of the substance in the waste	21 µg/kg
Pre-treatment method (if needed)	waste conditioning (humidification for dust binding)
Name of final storage site	Untertagedeponie UEV Umwelt Entsorgung und Verwertung GmbH
Address of final storage site	Salzgrund 67 74076 Heilbronn

Authorisation identification number	
Name of the competent authority	Regierungspräsidium Freiburg
Address of the competent authority	Albertstr. 5 79104 Freiburg i. Br.
Date	19/10/2020
Authorisation holder (company name)	Südwestdeutsche Salzwerke AG
Authorisation holder address	Salzgrund 67 74076 Heilbronn
Summary of justification of preferability of the management	Presence of asbestos in waste does not permit incineration or other treatment Vorhandensein von Asbest im Abfall lässt Verbrennung oder anderweitige Behandlung nicht zu
Website address or other reference where to find more information on the authorisation and the justification of the exemption, if available:	
Six digit code as laid down in Commission Decision 2000/532/EC as amended	170902*
Waste name as laid down in Decision 2000/532/EC as amended	construction and demolition wastes containing PCB (for example PCB-containing sealants, PCB-containing resin-based floorings, PCB-containing sealed glazing units, PCB-containing capacitors)
Approved amount in tonnes	150
Name in accordance with the substance name laid down in Annex IV	Polychlorinated Biphenyls (PCB)
Substance name (when part of a group)	1,1'-Biphenyl, chloro derivs.
CAS number	1336-36-3
Concentration of the substance in the waste	454 mg/kg
Pre-treatment method (if needed)	
Name of final storage site	Untertagedeponie UEV Umwelt Entsorgung und Verwertung GmbH
Address of final storage site	Salzgrund 67 74076 Heilbronn

Authorisation identification number	ENFHN0002788
Name of the competent authority	Regierung von Oberbayern
Address of the competent authority	Maximilianstraße 39 80538 München
Date	30/08/2022
Authorisation holder (company name)	Büchl Entsorgung GmbH
Authorisation holder address	Robert-Bosch-Straße 1-5 85053 Ingolstadt
Summary of justification of preferability of the management	Joint mastic containing asbestos and PCBs from building refurbishment; thermal treatment in hazardous waste incineration plant not possible due to possible release of respirable fibres
Website address or other reference where to find more information on the authorisation and the justification of the exemption, if available:	
Six digit code as laid down in Commission Decision 2000/532/EC as amended	170902*
Waste name as laid down in Decision 2000/532/EC as amended	construction and demolition wastes containing PCB (for example PCB-containing sealants, PCB-containing resin-based floorings, PCB-containing sealed glazing units, PCB-containing capacitors)
Approved amount in tonnes	20
Name in accordance with the substance name laid down in Annex IV	Polychlorinated Biphenyls (PCB)
Substance name (when part of a group)	1,1'-Biphenyl, chloro derivs.
CAS number	1336-36-3
Concentration of the substance in the waste	3,814 mg/kg
Pre-treatment method (if needed)	
Name of final storage site	K+S Minerals and Agriculture GmbH Untertagedeponie Herfa-Neurode
Address of final storage site	Herfagrund 36266 Heringen

Authorisation identification number	ENFHN0003080
Name of the competent authority	Niedersächsische Gesellschaft zur Endablagerung von Sonderabfall mbH
Address of the competent authority	Alexanderstrasse 4-5 30159 Hannover
Date	06/09/2022
Authorisation holder (company name)	Remondis Industrie Service GmbH
Authorisation holder address	Am Kanal 8 49565 Bramsche
Summary of justification of preferability of the management	Joint mastic containing asbestos and PCBs from building refurbishment; thermal treatment in hazardous waste incineration plant not possible due to possible release of respirable fibres
Website address or other reference where to find more information on the authorisation and the justification of the exemption, if available:	
Six digit code as laid down in Commission Decision 2000/532/EC as amended	170902*
Waste name as laid down in Decision 2000/532/EC as amended	construction and demolition wastes containing PCB (for example PCB-containing sealants, PCB-containing resin-based floorings, PCB-containing sealed glazing units, PCB-containing capacitors)
Approved amount in tonnes	10
Name in accordance with the substance name laid down in Annex IV	Polychlorinated Biphenyls (PCB)
Substance name (when part of a group)	1,1'-Biphenyl, chloro derivs.
CAS number	1336-36-3
Concentration of the substance in the waste	70 mg/kg
Pre-treatment method (if needed)	
Name of final storage site	K+S Minerals Agriculture GmbH Untertagedeponie Herfa-Neuroda
Address of final storage site	Herfagrund 36266 Heringen

Italy

Authorisation identification number	DET-AMB-2020-3165 _ Authorization related to the notification IT 021701. Waste disposal Authorization of the destination country n.2AU-21896-151-2019 issued by TÜV Thüringen Anlagentechnik GmbH & Co. KG Service-CenterMittelthüringen to the (GSES)mbH (Germany) plant.
Name of the competent authority	Regional Agency for Prevention, Environment and Energy of Emilia-Romagna - Agenzia regionale per la prevenzione, l'ambiente e l'energia dell'Emilia-Romagna - Area Autorizzazioni e Concessioni Ovest - Servizio Autorizzazioni e Concessioni di Reggio Emilia
Address of the competent authority	Piazza Gioberti, 4 - 42121 Reggio Emilia
Date	08/07/2020
Authorisation holder (company name)	C.P.A. Compagnia Per l'Ambiente Srl
Authorisation holder address	Via Caselline n. 633, Vignola (MO), Italia
Summary of justification of preferability of the management	The notifier declared the impossibility of treating the waste as it contained asbestos in addition to DDT and there were no sites available in Italy equipped to treat this kind of waste, justifying the need to dispose of the notified waste with operation D12 (storage in a salt mine) at the German plant GSESGmbH
Website address or other reference where to find more information on the authorisation and the justification of the exemption, if available:	
Six digit code as laid down in Commission Decision 2000/532/EC as amended	17 05 03
Waste name as laid down in Decision 2000/532/EC as amended	Soil and stones containing dangerous substances
Approved amount in tonnes	500
Name in accordance with the substance name laid down in Annex IV	DDT (1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane)
Substance name (when part of a group)	
CAS number	50-29-3
Concentration of the substance in the waste	mg/kg
Pre-treatment method (if needed)	
Name of final storage site	Glückauf Sondershausen Entwicklungs- und Sicherungsgesellschaft (GSES) GmbH
Address of final storage site	Schachtstraße 20-22 D-99706 Sondershausen (Germany)

Sweden

Authorisation identification number	NV-03423-20
Name of the competent authority	Swedish Environmental Protection Agency
Address of the competent authority	SE 106 48 Stockholm; SWEDEN
Date	10/12/2020
Authorisation holder (company name)	Fortum Waste Solutions AB
Authorisation holder address	Norrortorp 112; SE 692 85 Kumla; SWEDEN
Summary of justification of preferability of the management	No available or feasible method to destroy or convert the POP content in the waste by chemical or physical methods has been identified. The presence of mercury in the waste restricted the possibilities of thermal destruction options. To ensure the waste was disposed of without undue delay and in an environmental sound manner, without risking mercury emissions to the atmosphere high temperature incineration has not been considered the best environmental option in this specific situation. A morer detailed description can be found in the notifications to the EU Commission and ECHA.
Website address or other reference where to find more information on the authorisation and the justification of the exemption, if available:	EU Commision was notified 10/12/2020 ; ECHA was notified 14/12/2020
Six digit code as laid down in Commission Decision 2000/532/EC as amended	170503.0
Waste name as laid down in Decision 2000/532/EC as amended	Soil and substances containing dangerous substances
Approved amount in tonnes	1,000
Name in accordance with the substance name laid down in Annex IV	Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)
Substance name (when part of a group)	
CAS number	-
Concentration of the substance in the waste	30 µg/kg
Pre-treatment method (if needed)	Separation of larger material, e.g. stones. Packing of waste in lined drums.
Name of final storage site	K+S Mineral and Agriculture GmbH Untertage-Deponie, Herfa-Neurode
Address of final storage site	Werk werra, Herfagrund, D-36266

