Justification for the selection of a candidate CoRAP substance

Substance Name (Public Name):	Biphenyl
EC Number:	202-163-5
CAS Number:	92-52-4
Submitted by:	Portuguese Environment Agency, PT
Published:	20/03/2013

NOTE

This document has been prepared by the evaluating Member State given in the CoRAP update.

Contents

1 IDENTITY OF THE SUBSTANCE

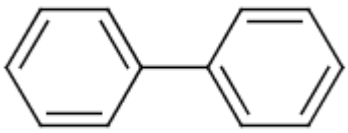
1.1 Name and other identifiers of the substance

Table 1: Substance identity

EC number:	202-163-5
EC name:	biphenyl
CAS number (in the EC inventory):	92-52-4
CAS number:	92-52-4
CAS name:	
IUPAC name:	
Index number in Annex VI of the CLP Regulation	601-042-00-8
Molecular formula:	$C_{12}H_{10}$
Molecular weight or molecular weight range:	154.2
Synonyms:	

Type of substance ☒ Mono-constituent ☐ Multi-constituent ☐ UVCB

Structural formula:



2 CLASSIFICATION AND LABELLING

2.1 Harmonised Classification in Annex VI of the CLP

Classification according to part 3 of Annex VI, Table 3.1 (List of harmonised classification and labelling of hazardous substances) of Regulation (EC) No 1272/2008.

Classification		Labelling			Specific Conc. Limits, M-factors	Notes
Hazard Class and Category Code(s)	**Hazard Statement Code(s)**	**Pictogram, Signal Word Code(s)**	**Hazard statement Code(s)**	**Suppl. Hazard statement Code(s)**		
Eye Irrit. 2 STOT SE 3 Skin Irrit. 2 Aquatic Acute 1 Aquatic Chronic1	H319 H335 H315 H400 H410	GHS07 GHS09 Wng	H319 H335 H315 H410			

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

H315: Causes skin irritation.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

Classification according to part 3 of Annex VI, Table 3.2 (list of harmonized classification and labelling of hazardous substances from Annex I of Council Directive 67/548/EEC) of Regulation (EC) No 1272/2008.

Classification	Labelling	Concentration Limits	Notes
Xi; R36/37/38 N; R50-53	Xi; N R: 36/37/38-50/53 S: (2-)23-60-61		

R36/37/38: Irritating to eyes, respiratory system and skin.

R50-53: Very toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.

2.2 Proposal for Harmonised Classification in Annex VI of the CLP

None proposed.

2.3 Self-classification

In addition to the harmonised classification, the following classifications are included in the Classification and Labelling Inventory database:

Acute Tox. 2; H330: fatal if inhaled.

Acute Tox. 4; H302: Harmful if swallowed.

3 JUSTIFICATION FOR THE SELECTION OF THE CANDIDATE CoRAP SUBSTANCE

3.1 Legal basis for the proposal

☒ Article 44(1) (refined prioritisation criteria for substance evaluation)

☐ Article 45(5) (Member State priority)

3.2 Grounds for concern

☐ (Suspected) CMR	☐ Wide dispersive use	☐ Cumulative exposure
☐ (Suspected) Sensitiser	☐ Consumer use	☐ High RCR
☒ (Suspected) PBT	☐ Exposure of sensitive populations	☒ Aggregated tonnage
☐ Suspected endocrine disruptor	☐ Other (provide further details below)	
Please provide further details		

3.3 Information on aggregated tonnage and uses

☐ 1 – 10 tpa	☐ 10 – 100 tpa	☐ 100 – 1000 tpa
☒ 1000 – 10,000 tpa	☐ 10,000 – 100,000 tpa	☐ 100,000 – 1,000,000 tpa
☐ 1,000,000 – 10,000,000 tpa	☐ > 10,000,000 tpa	
☐ <1 . . . . . >+ tpa	☐ Confidential	
Please provide further details if appropriate		

☒ Industrial use	☒ Professional use	☐ Consumer use	☐ Closed System

Used as heat transfer fluid, intermediate, processing solvent, in the formulation of mixtures and laboratory reagent.

3.4 Other completed/ongoing regulatory processes that may affect suitability for substance evaluation

☐ Compliance check	☐ Dangerous substances Directive 67/548/EEC
☐ Testing proposal	☐ Existing Substances Regulation 793/93/EEC
☐ Annex VI (CLP)	☐ Plant Protection Products Regulation 91/414/EEC
☐ Annex XV (SVHC)	☐ Biocidal Products Directive 98/8/EEC
☐ Annex XIV (Authorisation)	☐ Other (provide further details below)
☐ Annex XVII (Restriction)	
Please provide further details	

3.5 Information to be requested to clarify the suspected risk

☐ Information on toxicological properties	☐ Information on physico-chemical properties
☒ Information on fate and behaviour	☐ Information on exposure
☒ Information on ecotoxicological properties	☐ Information on uses
☐ Other (provide further details below)	

Please provide further details

Considering that log Kow > 3, a sediment effects assessment could be requested depending on the information provided in the CSR.

An additional biodegradation test could be requested in order to evaluate the biodegradation potential under anaerobic conditions.

3.6 Potential follow-up and link to risk management

☐ Restriction	☐ Harmonised C&L	☒ Authorisation	☐ Other (provide further details)

Please provide further details

If the substance is considered to be a PBT, identification as substance of very high concern and subsequent authorisation may be relevant.