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*ANNEX*

**SUMMARY OF PRODUCT CHARACTERISTICS FOR A BIOCIDAL PRODUCT**

Mida Chriox 15

**Product type(s)**

PT11: Preservatives for liquid-cooling and processing systems

PT12: Slimicides

**Authorisation number:** NL-0032172-0000

**R4BP asset number:** NL-0032172-0000

## 1. ADMINISTRATIVE INFORMATION

### 1.1. Trade name(s) of the product

Trade name(s)	CHRIOX ACTIV 15
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### 1.2. Authorisation holder

Name and address of the authorisation holder	Name	Christeyns NV
	Address	Afrikalaan 182 9000 Gent Belgium
Authorisation number		NL-0032172-0000
<i>R4BP asset number</i>		NL-0032172-0000
Date of the authorisation		13/03/2024
Expiry date of the authorisation		13/03/2034

### 1.3. Manufacturer(s) of the product

Name of manufacturer	Christeyns N.V.
Address of manufacturer	Afrikalaan 182 9000 Gent Belgium
Location of manufacturing sites	Christeyns N.V. site 1 Afrikalaan 182 9000 Gent Belgium

Name of manufacturer	Christeyns France
Address of manufacturer	Rue de la Maladrie 31, Pl de la Vertonne 44124 Vertou Cedex France
Location of manufacturing sites	Christeyns France site 1 Rue de la Maladrie 31, Pl de la Vertonne 44124 Vertou Cedex France

Name of manufacturer	Christeyns UK
Address of manufacturer	Rutland Street BD4 7EA Bradford United Kingdom of Great Britain and Northern Ireland (the)
Location of manufacturing sites	Christeyns UK site 1 Rutland Street BD4 7EA Bradford United Kingdom of Great Britain and Northern Ireland (the)

Name of manufacturer	Christeyns Manufacturing Italy Srl
Address of manufacturer	Via Aldo Moro 30 20042 Pessano con Bornago Italy
Location of manufacturing sites	Christeyns Manufacturing Italy Srl site 1 Via Aldo Moro 30 20042 Pessano con Bornago Italy

Name of manufacturer	Pliwa Hygiene GmbH
Address of manufacturer	Pliwastraße 2 34323 Malsfeld Germany
Location of manufacturing sites	Pliwa Hygiene GmbH site 1 Pliwastraße 2 34323 Malsfeld Germany

### 1.4. Manufacturer(s) of the active substance(s)

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Active substance	Peracetic acid
Name of manufacturer	Christeys N.V.
Address of manufacturer	Afrikalaan 182 9000 Gent Belgium
Location of manufacturing sites	Christeys N.V. site 1 Afrikalaan 182 9000 Gent Belgium

Active substance	Peracetic acid
Name of manufacturer	Christeys France
Address of manufacturer	Rue de la Maladrie 31, Pl de la Vertonne 44124 Vertou Cedex France
Location of manufacturing sites	Christeys France site 1 Rue de la Maladrie 31, Pl de la Vertonne 44124 Vertou Cedex France

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## 2. PRODUCT COMPOSITION AND FORMULATION

### 2.1. Qualitative and quantitative information on the composition of the product

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Peracetic acid		active substance	79-21-0	201-186-8	14,9
Hydrogen peroxide		Non-active substance	7722-84-1		25,7
Sulphuric acid		Non-active substance	7664-93-9		0,96

### 2.2. Type(s) of formulation

SL Soluble concentrate

### 3. HAZARD AND PRECAUTIONARY STATEMENTS

<p>Hazard statements</p>	<p>H242: Heating may cause a fire.</p> <p>H290: May be corrosive to metals.</p> <p>H302: Harmful if swallowed.</p> <p>H311: Toxic in contact with skin.</p> <p>H332: Harmful if inhaled.</p> <p>H314: Causes severe skin burns and eye damage.</p> <p>H410: Very toxic to aquatic life with long lasting effects.</p> <p>EUH071: Corrosive to the respiratory tract.</p>
<p>Precautionary statements</p>	<p>P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P234: Keep only in original packaging.</p> <p>P235: Keep cool.</p> <p>P260: Do not breathe spray.</p> <p>P260: Do not breathe vapours.</p> <p>P271: Use only outdoors or in a well-ventilated area.</p> <p>P280: Wear protective gloves, protective clothing and face protection.</p> <p>P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.</p> <p>P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].</p> <p>P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P310: Immediately call a doctor.</p> <p>P310: Immediately call a POISON CENTER.</p> <p>P321: Specific treatment (see supplemental first aid instruction on this label).</p> <p>P361+P364: Take off immediately all contaminated clothing and wash it before reuse.</p> <p>P390: Absorb spillage to prevent material damage.</p>

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P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P405: Store locked up.

P410: Protect from sunlight.

P501: Dispose of contents to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation..

P501: Dispose of container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation..

P270: Do not eat, drink or smoke when using this product.

## 4. AUTHORISED USE(S)

### 4.1. Use description

**Table 1. Treatment of cooling and process water in open recirculating systems**

Product type	PT11: Preservatives for liquid-cooling and processing systems
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: no data  Scientific name: no data Common name: fungi Development stage: no data  Scientific name: no data Common name: Yeasts Development stage: no data
Field(s) of use	indoor use  Curative treatment of cooling and process water
Application method(s)	Method: closed system  Detailed description: Product is automatically dosed in systems.
Application rate(s) and frequency	Application rate: -  Dilution (%): Bacteria and yeasts: 0,012% Mida Chriox 15 (37,5 ppm PAA), contact time 3 hours. Fungi: 0,050% Mida Chriox (75 ppm PAA), contact time 3 hours  Number and timing of application: Automatic dosing
Category(ies) of users	industrial ; professional
Pack sizes and packaging material	20-30-220-1000 litres High-density polyethylene

#### 4.1.1. Use-specific instructions

Mida Chriox 15 is applied by automatic dosing into the process water or cooling water stream.

Containers are pumped into reservoirs via a pump, all actions are automated.

Rate:

Bactericidal and yeasticidal: 0,012% Mida Chriox 15 (37,5 ppm PAA), contact time 3 hours

Fungicidal: 0,050% Mida Chriox (75 ppm PAA), contact time 3 hours

The dose and frequency strongly depends on water matrix to which the preservative is added. Therefore, the user should determine dosage requirements for their specific matrix or system to be preserved. The lowest effective dose should be used.

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Cleaning of equipment can be done with water.

#### **4.1.2. Use-specific risk mitigation measures**

#### **4.1.3. Use-specific risk mitigation measures**

The use is restricted to small cooling systems with a maximum blowdown of 2 m<sup>3</sup>/h. Waste water must be discharged to the municipal sewer or purified in an on-site industrial sewage treatment plant including a biological treatment step.

The product can only be applied when the cooling towers are equipped with drift eliminators that reduce drift with at least 99%.

When the cooling tower needs to be entered while still in operation, suitable RPE (APF40) needs to be worn.

#### **4.1.4. Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment**

No use-specific information, see general directions for use.

#### **4.1.5. Where specific to the use, the instructions for safe disposal of the product and its packaging**

No use-specific information, see general directions for use.

#### **4.1.6. Where specific to the use, the conditions of storage and shelf-life of the product under normal conditions of storage**

No use-specific information, see general directions for use.

### **4.2. Use description**

**Table 2. Curative treatment of process water in the pulp and paper industry**

Product type	PT12: Slimicides
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: no data  Scientific name: no data Common name: fungi Development stage: no data
Field(s) of use	indoor use



	Curative treatment of incoming water, wash water in the short circulation water in the pulp and paper industry
Application method(s)	Method: closed system  Detailed description: Product is automatically dosed in systems.
Application rate(s) and frequency	Application rate: -  Dilution (%): Bacteria: 0,025% Mida Chriox 15 (37,5 ppm PAA), contact time 1 hour Fungi: 0,050% Mida Chriox (75 ppm PAA), contact time 3 hours  Number and timing of application: Automatic dosing
Category(ies) of users	industrial ; professional
Pack sizes and packaging material	20-30-220-1000 litres  High-density polyethylene

#### 4.2.1. Use-specific instructions

Mida Chriox 15 is applied by automatic dosing into the short circulation of the paper mill, incoming water, wash water or in other places. The dosing hoses (double walled) must be at least 70 cm below the liquid level of the bassins and tanks to be treated, in a place where there is sufficient turbulence so that it is evenly distributed. The installation should be connected to a signal from the paper and cardboard machine or dust pulper so that the dosage is stopped when it is not in use.

Containers are pumped into reservoirs via a pump, all actions are automated.

Dosage Rate:

Bactericidal: 0,025% Mida Chriox 15 (37,5 ppm PAA), contact time 1 hour

Fungicidal: 0,050% Mida Chriox (75 ppm PAA), contact time 3 hours

The dose and frequency strongly depends on water matrix to which the preservative is added. Therefore, the user should determine dosage requirements for their specific matrix or system to be preserved. The lowest effective dose should be used.

Cleaning of equipment can be done with water.

#### 4.2.2. Use-specific risk mitigation measures

#### 4.2.3. Use-specific risk mitigation measures

Application is only allowed in paper factories that comply to the Industrial Emission Directive 2010/75/EU where wastewater is purified in an on-site industrial sewage treatment plant including a biological treatment step in accordance with the Best Available Techniques (BAT) as prescribed in the BAT-reference document (BREF) for the production of pulp, paper and board. Paper factories that are exempted from the Industrial Emission Directive must release their wastewater to the municipal sewer.

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When the paper machinery needs to be entered while still in operation, suitable RPE (APF10) needs to be worn.

**4.2.4. Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment**

See General directions.

**4.2.5. Where specific to the use, the instructions for safe disposal of the product and its packaging**

See General directions.

**4.2.6. Where specific to the use, the conditions of storage and shelf-life of the product under normal conditions of storage**

See General directions.

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## 5. GENERAL DIRECTIONS FOR USE<sup>1</sup>

### 5.1. Instructions for use

See use-specific instructions for each use.

The product is classified as dangerous for transport, For particulars concerning precautionary measures during transport please refer to the MSDS.

There are no precautions to be taken to avoid the development of resistance.

### 5.2. Risk mitigation measures

Precautionary measures:

Do not eat, drink or smoke in areas where product is used. Shower, eyes shower and water point in proximity.

Only apply by automatic dosing.

When contact with concentrated product cannot be excluded:

- Wear personal protective equipment. Ventilation, local exhaust, or breathing protection. Avoid aerosol building. Never return unused material to original container. Handle and open container with care. When handling product, avoid contact with eyes, skin and clothing. Keep container tightly closed in a cool place.
- Hand protection: Wear protective chemical resistant gloves meeting the requirements of European Standard EN 374 (glove material to be specified by the authorisation holder within the product information)
- Eye protection: Safety glasses with side-shields (EN 166).
- Protective equipment: Wear suitable protective clothing (EN 14605). Long sleeved protective clothing.
- Respiratory protection: Wear suitable respiratory equipment. Extra personal protection: A/P2 filter respirator for organic vapour and harmful dust with an APF of 10 (mixing and loading - Connecting or Disconnecting IBCs, filling storage containers for automated systems) or 20 (maintenance and repairs of dosing pumps).

No risk mitigation measures required when exposure to the diluted product is possible.

### 5.3. Particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment

#### First aid measures

IF INHALED: Move to fresh air and keep at rest in a position comfortable for breathing.

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<sup>1</sup>Instructions for use, risk mitigation measures and other directions for use under this section are valid for any authorised uses.

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If symptoms: Call 112/ambulance for medical assistance. If no symptoms: Call a POISON CENTRE or a doctor.

**IF SWALLOWED:**

Immediately rinse mouth. Give something to drink, if exposed person is able to swallow. Do NOT induce vomiting. Call 112/ambulance for medical assistance.

IF ON SKIN: Immediately wash skin with plenty of water. Thereafter take off all contaminated clothing and wash it before reuse. Continue to wash the skin with water for 15 minutes. Call a POISON CENTRE or a doctor.

IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Call 112/ambulance for medical assistance. Information to Healthcare personnel/doctor:

The eyes should also be rinsed repeatedly on the way to the doctor if eye exposure to alkaline chemicals (pH > 11), amines and acids like acetic acid, formic acid or propionic acid

**Environmental precautions**

Prevent concentrated product from entering sewers, watercourses, underground or low areas.

Use appropriate precautions to avoid environmental contamination.

#### **5.4. Instructions for safe disposal of the product and its packaging**

Dispose of contents / container in accordance with local regulations.

#### **5.5. Conditions of storage and shelf-life of the product under normal conditions of storage**

Storage conditions: Store in original container, in a cool and dry place. Keep away from direct sunlight. Store below 30°C. Protect from frost.

Shelf-life: 1 year

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## 6. OTHER INFORMATION