

Summary of product characteristics for a biocidal product

Product name: Radic R12

Product type(s): PT04 - Food and feed area (Disinfectants)

Authorisation number: BE2020-0040

R4BP 3 asset reference number: BE-0021158-0000

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Administrative information

1.1. Trade names of the product

Radic R12

1.2. Authorisation holder

Name and address of the authorisation holder	Name	Lema Chemie NV
	Address	Nijverheidsstraat 2 2381 Weelde Belgium
Authorisation number	BE2020-0040	
R4BP 3 asset reference number	BE-0021158-0000	
Date of the authorisation	22/01/2021	
Expiry date of the authorisation	22/01/2031	

1.3. Manufacturer(s) of the biocidal products

Name of the manufacturer	Lema Chemie NV
Address of the manufacturer	Nijverheidsstraat 2 2381 Weelde Belgium
Location of manufacturing sites	Nijverheidsstraat 2 2381 Weelde Belgium

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

Active substance	1391 - Active chlorine released from sodium hypochlorite
Name of the manufacturer	Nouryon Industrial Chemicals BV
Address of the manufacturer	Velperweg 76 P.O. Box 60192 6800 SB Arnhem Netherlands
Location of manufacturing sites	Hauptstraße 47 49479 Ibbenbüren Germany
	Elektrolysestraße 1 06749 Bitterfeld-Wolfen Germany
	Welplaatweg 12 3197 KS Botlek Rotterdam Netherlands
	Oosterhorn 4 9936 HD Farmsum Netherlands

2. Product composition and formulation

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

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Active chlorine released from sodium hypochlorite		Active Substance	7681-52-9	231-668-3	3,64
potassium hydroxide		Non-active substance	1310-58-3		6,77
sodium metasilicate pentahydrate		Non-active substance	10213-79-3		2,78

2.2. Type of formulation

SL - Soluble concentrate

3. Hazard and precautionary statements

Hazard statements	<p>May be corrosive to metals.</p> <p>Causes severe skin burns and eye damage.</p> <p>Causes serious eye damage.</p> <p>Very toxic to aquatic life.</p>
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	Toxic to aquatic life with long lasting effects.
Precautionary statements	<p>Do not breathe vapours.</p> <p>Avoid release to the environment.</p> <p>Wear protective gloves.</p> <p>Wear eye protection.</p> <p>Immediately call a POISON CENTER.</p> <p>Collect spillage.</p> <p>Dispose of contents to in accordance with local/regional/national regulation.</p> <p>Dispose of container to in accordance with regional/national regulation.</p> <p>IF SWALLOWED:Rinse mouth.Do NOT induce vomiting.</p> <p>IF ON SKIN (or hair):Take off immediately all contaminated clothing.Rinse skin with water.</p> <p>IF IN EYES:Rinse cautiously with water for several minutes.Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>Keep only in original packaging.</p>

4. Authorised use(s)

4.1 Use description

Use 1 - Disinfection of inner surfaces by CIP

Product type	PT04 - Food and feed area (Disinfectants)
Where relevant, an exact description of the authorised use	Not relevant
Target organism(s) (including development stage)	<p>Scientific name: Common name: Bacteria Development stage:</p> <p>Scientific name: Common name: Yeasts Development stage:</p>
Field(s) of use	<p>Indoor</p> <p>Disinfection of inner surfaces in food industry (including meat and beverage industries) and milking equipment by cleaning-in-place (CIP). Dilute manually or with automated dosing system.</p>

Application method(s)	Method: CIP: cleaning-in-place Detailed description: CIP: cleaning-in-place (with circulation)
Application rate(s) and frequencies	Application Rate: / Dilution (%): 2.9% Number and timing of application: On hard non-porous surfaces. Thoroughly rinse (with fresh water) the surfaces before disinfection. For an effect on bacteria and yeast: 2.9% RADIC R12 in a 15 min contact time at +60°C.
Category(ies) of users	Professional
Pack sizes and packaging material	HDPE container 5L, 10L, 25L, 70 kg, 140 kg, 240 kg, 255 kg, 1000 kg, 1200 kg

4.1.1 Use-specific instructions for use

Please refer to general instructions of use.

4.1.2 Use-specific risk mitigation measures

Please refer to general instructions of use.

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

Please refer to general instructions of use.

4.1.4 Where specific to the use, the instructions for safe disposal of the product and its packaging

Please refer to general instructions of use.

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

Please refer to general instructions of use.

5. General directions for use

5.1. Instructions for use

Before treatment: rinse with 1 volume fresh water.
Prepare a 2.9% dilution of Radic R12.
Apply during 15 minutes at 60°C.
Dosing can be done automatically or manually.
After treatment: rinse with 4 volumes of cold fresh water.

5.2. Risk mitigation measures

General:

- Labelling
- Instructions for use
- Rinsing recommended after use
- Washing hands after use
- Washing hands/face/eyes after accidental exposure

PPE:

- during manual mixing and loading: wearing of protective gloves (EN 374), goggles (EN 166) and clothing
- during automated mixing and loading: wearing of protective gloves (EN 374), goggles (EN 166), clothing and respiratory protective equipment APF 10

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

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water (or shower).
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
IF INHALED: Remove person to fresh air and keep comfortable breathing. In case of breathing difficulties seek immediate medical attention.

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

At the end of the treatment, dispose unused product and the packaging in accordance with local requirements.

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

Store in original container.
Store in dry, cool, well-ventilated area.
Do not store near acids.
Keep away from direct sunlight.
Keep away from heat.
Protect from frost.
Store below 30°C.
Shelf life: 6 months

6. Other information

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