

# Summary of product characteristics for a biocidal product

**Product name:** 3-a

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

PT04 - Food and feed area (Disinfectants)

**Authorisation number:** EU-0024303-0000

**R4BP 3 asset reference number:** IS-0029305-0003

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## Administrative information

### 1.1. Trade names of the product

Oxypak D
Oxypak S
Oxypak S10

### 1.2. Authorisation holder

#### Name and address of the authorisation holder

Name	Ecolab Deutschland GmbH
Address	Ecolab Allee 1 40789 Monheim am Rhein Germany
Authorisation number	EU-0024303-0000 1-3

#### R4BP 3 asset reference number

IS-0029305-0003	
Date of the authorisation	15/09/2022
Expiry date of the authorisation	31/08/2032

### 1.3. Manufacturer(s) of the biocidal products

<b>Name of the manufacturer</b>	Ecolab Europe GmbH
<b>Address of the manufacturer</b>	Richtistrasse 7 8304 Wallisellen Switzerland
<b>Location of manufacturing sites</b>	A.F.P. GmbH Otto-Brenner-Straße 16 21337 Lüneburg Germany
	ACIDEKA S.A. Edificio Feria. Capuchinos de Basurto 6, 4a planta 48013 Bilbao. Bizkaia Spain
	ADIEGO HNOS CTRA DE VALENCIA, KM 5,900 50410 CUARTE DE HUERVA (ZARAGOZA) 50410 Zaragoza Spain
	ALLIED PRODUCTS Allied Hygiene Unit 11, Belvedere Industrial Estate Fishers Way DA17 6BS Belvedere, Kent United Kingdom
	Arkema GmbH Morschheimer Strasse 19 D-67292 Krichheimbolanden Germany
	AZELIS DENMARK Lundtoftegårdsvej 95 2800 Kgs. 2800 Kgs Lyngby Denmark
	Belinka Zasavska Cesta 95 1001 Ljubljana Slovenia
	BENTUS LABORATORIES LTD. RUSSIA, 105005, MOSCOW, RADIO STREET, 24 BLD.1 105005 Moscow Russian Federation
	BIO PRODUCTIONS 72 VICTORIA ROAD, VICTORIA INDUSTRIAL ESTATE, BURGESS HILL, WEST SUSSEX RH159LH Burgess Hill United Kingdom
	BIOXAL SA Route des Varennes - Secteur A – BP 30072 71103 Chalon sur Saône Cedex France
	Bores Srl Via Pioppa, 179 44020 Pontegradella Italy
	BRENNTAG ARDENNES Route de Tournes CD n 2 FR-08090 FR-08090 Cliron France
	BRENNTAG CEE - GUNTRAMSDORF Brenntag CEE GmbH Mixing / Blending Bahnstr. 13 A-2353 Guntramsdorf Austria
	BRENNTAG Duisburg/Glauchau/Hamburg/Heilbronn Brenntag GmbH Humboldttring 15 45472 Muehlheim Germany
	BRENNTAG Kaiserslautern Brenntag Merkurstr. 47 67663 Kaiserslautern Germany
	BRENNTAG Kleinkarlbach/Lohfelden Brenntag GmbH Humboldttring 15 45472 Muehlheim Germany
	BRENNTAG Nordic - HASLEV Høsten Teglværksvej 47 4690 Haslev Denmark
	Brenntag Nordic, Strandgade 35 7100 Vejle Denmark
	BRENNTAG Normandy Brenntag Normandie 12 Sente des Jumelles - BP 11 76710 76710 Montville France
	BRENNTAG PL -Zgierz ul. Kwasowa 5 95-100 Zgierz Poland

<b>Name of the manufacturer</b>	Ecolab Europe GmbH
<b>Address of the manufacturer</b>	Richtistrasse 7 8304 Wallisellen Switzerland
<b>Location of manufacturing sites</b>	Brenntag Quimica S.A. - Madrid. Calle Gutemberg nº 22, Poligono Industrial El Lomo 28906 Madrid Spain
	BRENNTAG Schweizerhall Brenntag Schweizerhall AG Elsaesserstr. 231 CH-4056 Basel Switzerland
	Budich International GmbH Dieselstrasse 10 32120 Hiddenhause Germany
	Caldic Deutschland Chemie B.V Caldic Deutschland GmbH & Co.Kg Am Karlshof 10 D 40231 Duesseldorf Germany
	Carbon Chemicals Group Ltd, Ringaskiddy P43 R772 County Cork Ireland
	COLEP BAD SCHMIEDEBERG ColepCCL Bad Schmiedeberg GmbH Kemberger Str. 3 06905 Bad Schmiedeberg Germany
	COMERCIAL FARMACEUTICA CASTEL: LANA, S.A. "COFARCAS" Condado de Treviño, 46 P.I. Villalonquejar 09080 – BURGOS 09080 Burgos Spain
	COMERCIAL GODO França, 13 08700 – IGUALADA (BARCELONA) 08700 BARCELONA Spain
	COURTOIS SARL ZA SOUS LE BEER Route de Pacy 27730 BUEIL France
	DAN MOR (DR WIPE) DAN-MOR Natural Products and Chemicals Ltd. Or Akiva Industrial Zone 30600 Akiva Industrial Zone Israel
	Denteck BV Heliumstraat 8 2718 SL ZOETERMEER Netherlands
	DETERGENTS BURGUERA DETERGENTS BURGUERA, S.L. Joan Ballester 50 07630 CAMPOS (ILLES BALEARES) Spain
	ECL Biebesheim NLC Biebesheim Justus-von-Liebig-Straße 11 64584 Biebesheim am Rhein Germany
	ECL Celra NALCO - Celra C/ Tramuntana s/n Poligona Industrial Celra 17460 Girona Spain
	ECL Châlons AVENUE DU GENERAL PATTON 51000 CHALONS EN CHAMPAGNE France
	ECL Cisterna Nalco Italiana Manufacturing Srl.Via Ninfina II 04012 Cisterna di Latina Italy
	ECL Fawley NLC Fawley Cadland Road, Hythe, SO45 3NP Southampton, Hampshire United Kingdom
	ECL Leeds ECOLAB Lotherton Way Garforth Leeds LS25 2JY LS25 2JY Leeds United Kingdom
	ECL Mandra 25TH KM OLD NATIONAL ROAD OF ATHENS TO THIVA, GR 19600 GR 19600 ATHENS Greece
	ECL Maribor Vajngerlova 4, SI-2001 Maribor SI-2001 Maribor Slovenia

<b>Name of the manufacturer</b>	Ecolab Europe GmbH
<b>Address of the manufacturer</b>	Richtistrasse 7 8304 Wallisellen Switzerland
<b>Location of manufacturing sites</b>	ECL MICROTEK BV MICROTEK MEDICAL B.V. GESINKKAMPSTRAAT 19, 7051 HR, VARSSEVELD 7051 HR VARSSEVELD Netherlands
	ECL MICROTEK MOSTA SORBONNE CENTRE, F20 MOSTA TECHNOPARK, MOSTA MST 3000 MOSTA Malta
	ECL Mullingar Ecolab Ltd. Forrest Park Zone C Mullingar Industrial Estate Mullingar Co. Westmeath Westmeath Ireland
	ECL Nieuwegein BRUGWAL 11 A, 3432 NZ NIEUWEGEIN 3432 NZ NIEUWEGEIN Netherlands
	ECL Rovigo EsoformEsoform S.p.A. Laboratorio Chimico Farmaceutico Viale del Lavoro 10 45100 Rovigo Italy
	ECL Rozzano Via A. Grandi, 20089 Rozzano MI 20089 Rozzano Italy
	ECL Tesjoki NLC Tesjoki Kivikumuntie 1, Tesjoki 07955 Tesjoki Finland
	ECL Tessengerlo INDUSTRIEZONE RAVENSHOUT 4 3980 Tessengerlo Belgium
	ECL Weavergate NLC Weavergate Northwich, Cheshire West and Chester CW8 4EE Northwich United Kingdom
	Ecolab Ltd Baglan/Swindon, Plot 7a Baglan Energy Park, Baglan, Port Talbot SA11 2HZ Port Talbot United Kingdom
	EXTRUPLAST ZI Fief du Passage 56 rue Robert Geffré 17000 La Rochelle France
	Ferdinand Eimermacher GmbH & Co. KG Westring 24 48356 Nordwalde Germany
	F.E.L.T. BP 64 10 rue du Vertuquet 59531 NEUVILLE EN FERRAIN France
Gallows Green Services Ltd. Cod Beck Mill Industrial Estate Dalton Lane YO7 3HR Thirsk North Yorkshire United Kingdom	
GERDISA GERMAN RGUEZ DROGAS IND Gerdisa Polígono Industrial Miralcampo parc.37 19200 Azuqueca de Henares Guadalajara Spain	
GIRASOL NATURAL PRODUCTS BV De Veldoven 12-14 3342 GR Hendrik-Ido-Ambacht 3342 GR Hendrik-Ido-Ambacht Netherlands	
HENKEL ENGELS Henkel Engels 413116 Engels Prospekt StroiTel ei Russia 413116 Engels Russian Federation	
Imeco GmbH & Co. KG Boschstraße 5 D-63768 Hösbach Germany	
INTERFILL LLC-TOSNO INTERFILL LLC 187000, Moskovskoye shosse 1 187000 Tosno - Leningradskaya Russian Federation	
JODEL - PRODUCTOS QUIMICOS Jodel Zona Industrial 2050 Aveiras de Cima 2050 Aveiras de Cima Portugal	

<b>Name of the manufacturer</b>	Ecolab Europe GmbH
<b>Address of the manufacturer</b>	Richtstrasse 7 8304 Wallisellen Switzerland
<b>Location of manufacturing sites</b>	Kleinmann GmbH Am Trieb 13 72820 Sonnenbühl Germany
	Kompak Nederland B.V. Ambachtsweg 4, 4854 MK, Bavel Netherlands
	La Antigua Lavandera SL      LA ANTIGUA LAVANDERA, S.L. Ctra. Antigua Sevilla-Alcalá Km.1,5 (SE-410) Apartado de Correos, 58 41500 Sevilla Spain
	LABORATOIRES ANIOS Pavé du moulin 59260 Lille-Hellemmes France
	LABORATOIRES ANIOS 3330 Rue de Lille 59262 Sainghin-en-Mélantois France
	LICHTENHELDT GmbH      Lichtenheldt Industriestrasse 7-9 23812 Wahlstedt Germany
	Lonza GmbH Morianstr.32 42103 Wuppertal Germany
	McBride SA Polígono Industrial L'Illa C / Ramon Esteve, 20- 22 08650 Sallent Spain
	Multifill BV Constructieweg 25-A 3641 SB Mijdrecht 3641 Mijdrecht Netherlands
	NOPA NORDISK PARFUMERIVARE Nordisk Parfumerivarefabrik A/S Hvedevej 2-22 DK-8900 Randers Denmark
	PAL INTERNATIONAL LTD      Pal International Ltd. Sandhurst Street, Oadby Leicester Leicester United Kingdom
	Planol GmbH Maybachstr. 17 63456 Hanau Germany
	Plum A/S Frederik Plums Vej 2 DK 5610 Assens Denmark
PRODUCTOS LC LA CORBERANA, S.L. Crta. Corbera – Polinyá 46612 Valencia Spain	
THE PROTON GROUP LTD Ripley Drive, Normanton Industrial Estate WF6 1QT Wakefield United Kingdom	
QUIMICAS MORALES, S.L. Misiones, 11 - Urb. El Sebadal 05005 LAS PALMAS DE GRAN CANARIA Spain	
RNM PRODUCTOS QUIMICOSRNM - Produtos Quimicos, Lda Rua da Fabrica, 123 4765-080 Segade Portugal	
ROQUETTE & BARENTZ      Roquette Freres Route De La Gorgue F-62136 Lestrem France	
RUTPEN LTD MEMBURY AIRFIELD RG16 7TJ LAMBOURN United Kingdom	
SOLIMIX Solimix Montseny 17-19 Pol. Ind. Sant Pere Molanta 08799 Barcelona Spain	

<b>Name of the manufacturer</b>	Ecolab Europe GmbH
<b>Address of the manufacturer</b>	Richtistrasse 7 8304 Wallisellen Switzerland
<b>Location of manufacturing sites</b>	Staub & Co. – Silbermann GmbH , Industriestraße 3 D-86456 Gablingen Germany
	Stockmeier Chemie Eilenburg GmbH & Co. KG Gustav-Adolf-Ring 5 04838 Eilenburg Germany
	SYNERLOGIC BV ( - IN2FOOD) Synerlogic BV afd. L.J. Costerstraat 5 6827 ARNHEM Netherlands
	Univar Ltd, Argyle House, Epsom Avenue SK9 3RN Wilmslow United Kingdom
	Univar SPA Via Caldera 21 20-153 Milano Milano Italy
	van Dam Bodegraven B.V Postbus 48 NL 2410 AA Bodegraven Netherlands
	Laboratoires Prodene Klint Rue Denis Papin, 2 Z.I. Mitry Compans F-77290 Mitry Mory F-77290 Mitry Mory France
	Simagec Z.I. de Rousset / Peynier, 54 Avenue de la Plaine 13790 Rousset France
INNOVATE GmbH, Innovate GmbH Am Hohen Stein 11 06618 Naumburg Germany	

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

<b>Active substance</b>	1315 - Hydrogen peroxide
<b>Name of the manufacturer</b>	Evonik Degussa Antwerpen NV
<b>Address of the manufacturer</b>	Tijsmanstunnel West 2040 Antwerpen Belgium
<b>Location of manufacturing sites</b>	Tijsmanstunnel West 2040 Antwerpen Belgium



<b>Active substance</b>	1315 - Hydrogen peroxide
<b>Name of the manufacturer</b>	Evonik Degussa GmbH
<b>Address of the manufacturer</b>	Untere Kanalstr. 3 79618 Rheinfelden Germany
<b>Location of manufacturing sites</b>	Untere Kanalstr. 3 79618 Rheinfelden Germany

<b>Active substance</b>	1315 - Hydrogen peroxide
<b>Name of the manufacturer</b>	Evonik Peroxid GmbH
<b>Address of the manufacturer</b>	Industriestraße 1 9721 Weißenstein Austria
<b>Location of manufacturing sites</b>	Industriestraße 1 9721 Weißenstein Austria

<b>Active substance</b>	1315 - Hydrogen peroxide
<b>Name of the manufacturer</b>	Evonik Peroxide Netherlands BV
<b>Address of the manufacturer</b>	Oosterhorn 14 9936 HD Farmsum Netherlands
<b>Location of manufacturing sites</b>	Oosterhorn 14 9936 HD Farmsum Netherlands

<b>Active substance</b>	1315 - Hydrogen peroxide
<b>Name of the manufacturer</b>	Belinka Perkemija D.O.O
<b>Address of the manufacturer</b>	Zasavska cesta 95 1231 Ljubljana-Črnuče Slovenia
<b>Location of manufacturing sites</b>	Zasavska cesta 95 1231 Ljubljana-Črnuče Slovenia

<b>Active substance</b>	1315 - Hydrogen peroxide
<b>Name of the manufacturer</b>	Solvay Chemie SA
<b>Address of the manufacturer</b>	Rue Solvay 39 B-5190 Jemeppe-sur-Sambre Belgium
<b>Location of manufacturing sites</b>	Rue Solvay 39 B-5190 Jemeppe-sur-Sambre Belgium

<b>Active substance</b>	1315 - Hydrogen peroxide
<b>Name of the manufacturer</b>	Solvay Chimica Italia S.p.A
<b>Address of the manufacturer</b>	Via Piave 6 I-57013 Rosignano Solvay LI Italy
<b>Location of manufacturing sites</b>	Via Piave 6 I-57013 Rosignano Solvay LI Italy

<b>Active substance</b>	1315 - Hydrogen peroxide
<b>Name of the manufacturer</b>	Solvay Chemicals GmbH
<b>Address of the manufacturer</b>	Köthensche Strasse 1-3 D-06406 Bernburg Germany
<b>Location of manufacturing sites</b>	Köthensche Strasse 1-3 D-06406 Bernburg Germany

<b>Active substance</b>	1315 - Hydrogen peroxide
<b>Name of the manufacturer</b>	Solvay Interlox Limited
<b>Address of the manufacturer</b>	Baronet Road WA4 6HB Warrington Cheshire United Kingdom
<b>Location of manufacturing sites</b>	Baronet Road WA4 6HB Warrington Cheshire United Kingdom

<b>Active substance</b>	1315 - Hydrogen peroxide
<b>Name of the manufacturer</b>	Solvay Chemicals Finland OY
<b>Address of the manufacturer</b>	Yrjonojantie 2 45910 Voikkaa Finland
<b>Location of manufacturing sites</b>	Yrjonojantie 2 45910 Voikkaa Finland

<b>Active substance</b>	1315 - Hydrogen peroxide
<b>Name of the manufacturer</b>	Solvay Interlox Produtos Peroxidados SA
<b>Address of the manufacturer</b>	Rua Eng. Clement Dumoulin P-2625-106 Povoá de Santa Iria Portugal
<b>Location of manufacturing sites</b>	Rua Eng. Clement Dumoulin P-2625-106 Povoá de Santa Iria Portugal

<b>Active substance</b>	1315 - Hydrogen peroxide
<b>Name of the manufacturer</b>	Kemira Rotterdam BV
<b>Address of the manufacturer</b>	Moezelweg 151 3198 LS Europoort Rotterdam Netherlands
<b>Location of manufacturing sites</b>	Moezelweg 151 3198 LS Europoort Rotterdam Netherlands

<b>Active substance</b>	1315 - Hydrogen peroxide
<b>Name of the manufacturer</b>	Kemira Chemical Oy
<b>Address of the manufacturer</b>	Typpitie PL 171 90101 Oulu Finland
<b>Location of manufacturing sites</b>	Typpitie PL 171 90101 Oulu Finland

<b>Active substance</b>	1315 - Hydrogen peroxide
<b>Name of the manufacturer</b>	Kemira Kemi AB
<b>Address of the manufacturer</b>	Industrigatan 83 25109 Helsingborg Sweden
<b>Location of manufacturing sites</b>	Industrigatan 83 25109 Helsingborg Sweden

<b>Active substance</b>	1315 - Hydrogen peroxide
<b>Name of the manufacturer</b>	ARKEMA France – USINE DE JARRIE
<b>Address of the manufacturer</b>	Route National 85, BP 1 38560 JARRIE France
<b>Location of manufacturing sites</b>	Route National 85, BP 1 38560 JARRIE France

<b>Active substance</b>	1315 - Hydrogen peroxide
<b>Name of the manufacturer</b>	ARKEMA GMBH – NIEDERLASSUNG LEUNA
<b>Address of the manufacturer</b>	Am Haupttor, Bau 2410 06237 LEUNA Germany
<b>Location of manufacturing sites</b>	Am Haupttor, Bau 2410 06237 LEUNA Germany

<b>Active substance</b>	1315 - Hydrogen peroxide
<b>Name of the manufacturer</b>	Ecolab Europe GmbH
<b>Address of the manufacturer</b>	Ecolab-Allee 1 40789 Monheim am Rhein Germany
<b>Location of manufacturing sites</b>	Ecolab-Allee 1 40789 Monheim am Rhein Germany

## 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 (%)
Hydrogen peroxide		Active Substance	7722-84-1	231-765-0	35
N-propanol	Propan-1-ol	Non-active substance	71-23-8	200-746-9	0
Citric acid monohydrate	2-hydroxypropane -1,2,3-tricarboxylic acid	Non-active substance	5949-29-1	201-069-1	0
Phenoxyethanol	2-Phenoxyethanol	Non-active substance	122-99-6	204-589-7	0
Sodium lauryl Sulphate	Sodium dodecyl sulphate	Non-active substance	151-21-3	205-788-1	0
L-Glutamic acid, N-coco acyl derivs., monosodium salts	Sodium;(4S)-4-amino-5-hydroxy-5-oxopentanoate	Non-active substance	68187-32-6	269-087-2	0
Sulfuric acid, mono-C12-14-alkyl esters, ammonium salts (Texapon ALS)	Sulfuric acid, mono-C12-14-alkyl esters, ammonium salts	Non-active substance	90583-11-2	292-209-0	0
Phosphoric acid	Orthophosphoric acid	Non-active substance	7664-38-2	231-633-2	0
Nitric acid	Nitric acid	Non-active substance	7697-37-2	231-714-2	0
Alcohol EO phosphate ester	Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy-, mono-C8-10-alkyl ethers, phosphates	Non-active substance	68130-47-2		0
Alkylpolyglycoside C8-C10	(3R,4S,5S,6R)-2-decoxy-6-(hydroxymethyl)oxane-3,4,5-triol	Non-active substance	68515-73-1	500-220-1	0
Alcohols, C10-C16 ethoxylated propoxylated (Dehydol 980)	Alcohols, C10-C16 ethoxylated propoxylated	Non-active substance	69227-22-1		0
Capryleth-9 Carboxylic acid (mixture of alkyl ether carboxylic acid)	Poly(oxy-1,2-ethanediyl), .alpha.-(carboxymethyl)-.omega.-(octyloxy)- (4-11 EO)	Non-active substance	53563-70-5		0

Hexeth-4 Carboxylic Acid (mixture of alkyl ether carboxylic acid)	Poly(oxy-1,2-ethanediyl), .alpha.-(carboxymethyl)- .omega.-(hexyloxy)- (3 EO)	Non-active substance	105391-15-9	0
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## 2.2. Type of formulation

AL - Any other liquid

## 3. Hazard and precautionary statements

### Hazard statements

May intensify fire; oxidiser  
Harmful if swallowed.  
Causes skin irritation.  
Causes serious eye damage.  
May cause respiratory irritation.  
Harmful to aquatic life with long lasting effects.

### Precautionary statements

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. -  
No smoking.  
Keep away from clothing and other combustible materials.  
Avoid breathing vapours.  
Avoid breathing spray.  
Wash hands thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Use only outdoors or in a well-ventilated area.  
Avoid release to the environment.  
Wear eye protection.  
Wear face protection.  
Wear protective gloves.  
IF SWALLOWED: Call a POISON CENTER if you feel unwell.  
Rinse mouth.  
IF ON SKIN: Wash with plenty of water.  
If skin irritation occurs: Get medical advice.  
If skin irritation occurs: Get medical attention.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
Call a POISON CENTER if you feel unwell.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER.

Immediately call a doctor.

Specific treatment (see first aid instruction on this label).

Take off contaminated clothing. And wash it before reuse.

In case of fire: Use water to extinguish.

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Dispose of contents to in accordance with national regulations.

Dispose of container to in accordance with national regulations.

## 4. Authorised use(s)

### 4.1 Use description

#### Use 1 - Disinfection of food contact surfaces in food and beverage industry by automated dipping or spraying in closed system

<b>Product type</b>	PT04 - Food and feed area (Disinfectants)
<b>Where relevant, an exact description of the authorised use</b>	-
<b>Target organism(s) (including development stage)</b>	<p>Scientific name: Bacteria Common name: Bacteria Development stage:</p> <p>Scientific name: Yeasts Common name: Yeasts Development stage:</p> <p>Scientific name: Fungi Common name: Fungi Development stage:</p> <p>Scientific name: Bacterial spores Common name: Bacterial spores Development stage:</p>
<b>Field(s) of use</b>	Indoor
<b>Application method(s)</b>	<p>Method: Automated dipping or spraying in closed system</p> <p>Detailed description: Disinfection of packaging (aseptic filling) by fully automated dipping and spraying (closed process). Packaging disinfection in food, beverage and feed manufacturing (dip and spray</p>

	<p>application).</p> <p>Contact time for dipping and spraying at 60°C in clean conditions:</p> <ul style="list-style-type: none"> <li>- 1 min for bacteria, yeasts, fungi and bacterial spores.</li> </ul>
<b>Application rate(s) and frequencies</b>	<p>Application Rate: Application rate: constant automated dosing</p> <p>Dilution (%): RTU product</p> <p>Number and timing of application:</p> <p>Application frequency: constant automated dosing</p>
<b>Category(ies) of users</b>	<p>Professional</p>
<b>Pack sizes and packaging material</b>	<p>Light precluding HDPE Bulk delivery container, &gt; 1L - bulk</p> <p>Light precluding HDPE Jerry can, 1-100L</p> <p>Light precluding HDPE IBC, 600-1000L</p> <p>Light precluding HDPE Drum, 60-220L</p> <p>Light precluding HDPE Bottle, 0,1-5L.</p>

#### 4.1.1 Use-specific instructions for use

<p>Packaging disinfection in food, beverage and feed manufacturing (spraying or dipping application):</p> <ul style="list-style-type: none"> <li>• Dosing of product directly into the packaging to disinfect or applied into additional steam</li> <li>• Continuous use of the product</li> <li>• Application temperature: 60°C</li> <li>• Application takes place in a closed and vented system.</li> </ul> <p>Do not rinse after use. After sterilisation, blow-dry the packaging with hot sterile air.</p>
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#### 4.1.2 Use-specific risk mitigation measures

<p>Do not breathe vapours/spray.</p> <p>During operation, ensure adequate ventilation along the machines Local exhaust ventilation (LEV) and in the industrial halls (technical ventilation).</p> <p>During manual maintenance tasks, ensure adequate ventilation inside the machine (LEV) before opening the doors of the aseptic area.</p> <ol style="list-style-type: none"> <li>1. The product shall only be transferred in closed pipes after mixing and loading. Open product and waste water flows are not allowed.</li> <li>2. Workplace release measurements using suitable measurement equipment shall be performed upon implementation of the aseptic packaging plant, and at regular intervals thereafter (annual intervals recommended), and after any change in relevant boundary conditions. The national regulations for workplace measurements shall be followed.</li> <li>3. In case of maintenance of the aseptic packaging plant (e.g. manual cleaning, technical incidents or repair) appropriate PPE (including respiratory protective equipment, chemical protective gloves, chemical protective coverall, eye protection) is required. The type of RPE, the filter type (code letter, colour) and glove material are to be specified by the authorisation holder within the product information.</li> </ol>
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#### 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

See general directions for use of meta SPC 3.

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

See general directions for use of meta SPC 3.

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

See general directions for use of meta SPC 3.

### 4.2 Use description

#### Use 2 - Disinfection of food contact surfaces in food and beverage industry by Clean-in-place (CIP)

<b>Product type</b>	PT04 - Food and feed area (Disinfectants)
<b>Where relevant, an exact description of the authorised use</b>	-
<b>Target organism(s) (including development stage)</b>	Scientific name: Bacteria Common name: Bacteria Development stage:  Scientific name: Yeasts Common name: Yeasts Development stage:  Scientific name: Fungi Common name: Fungi Development stage:
<b>Field(s) of use</b>	Indoor
<b>Application method(s)</b>	Method: CIP Detailed description:  Disinfection in food and beverage industry (food contact). Contact times for closed systems at 60°C in clean conditions: - 5 min for bacteria and yeasts; - 15 min for fungi.
<b>Application rate(s) and frequencies</b>	Application Rate: Application rate: automated dosing Dilution (%): RTU product Number and timing of application: Application frequency: once per day



**Category(ies) of users**

Professional

**Pack sizes and packaging material**

Light precluding HDPE Bulk delivery container, > 1L - bulk  
Light precluding HDPE Jerry can, 1-100L  
Light precluding HDPE IBC, 600-1000L  
Light precluding HDPE Drum, 60-220L  
  
Light precluding HDPE Bottle, 0,1-5L.

**4.2.1 Use-specific instructions for use**

Before disinfection, system should be washed. Disinfection of CIP tanks, CIP pumps, pipe work and internal system of the processing equipment for food, beverage and feed, including milking machine hygiene (MMH) (closed systems). Rinse with water after treatment.

**4.2.2 Use-specific risk mitigation measures**

Keep food, feed or beverages away from treated surface until rinsed off with water.

**4.2.3 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 for use of meta SPC 3.

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

See general directions for use of meta SPC 3.

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

See general directions for use of meta SPC 3.

## 5. General directions for use

### 5.1. Instructions for use

See use-specific instruction for use of meta SPC 3.

### 5.2. Risk mitigation measures

Wear protective chemical resistant gloves during product handling phase (glove material to be specified by the authorisation holder within the product information).  
The use of eye protection while handling the product is mandatory.  
The process of dilution shall be carried out using an automatic dosing system.

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

#### FIRST AID MEASURES

In case of eye contact: Rinse immediately with plenty of water, including under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention immediately.  
In case of skin contact: Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Seek medical attention if irritation develops and persists.  
If swallowed: Rinse mouth. Seek medical attention if symptoms occur.  
If inhaled: Remove person to fresh air. Treat symptomatically. Seek medical attention if symptoms occur.

#### ENVIRONMENTAL EMERGENCY MEASURES

Do not allow contact with soil, surface or ground water.  
Consider the provision of containment around storage vessels.

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

Product: Where possible, recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with national regulations. Dispose of waste in an approved waste disposal facility.

Contaminated packaging: Dispose of container in accordance with national regulations.

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

Keep out of reach of children. Keep container tightly closed. Store in suitable, labelled containers.  
Storage temperature: 0 - 35 °C

Shelf life: 24 months

## 6. Other information

The product contains hydrogen peroxide (CAS No.: 7722-84-1), for which a European reference value of 1.25 mg/m<sup>3</sup> for the professional user was agreed and used for the risk assessment of the product.