

Summary of product characteristics for a biocidal product

Product name: calgonit Duocip

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

Authorisation number: EU-0028957-00000

R4BP 3 asset reference number: EU-0028957-0020

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Administrative information

1.1. Trade names of the product

calgonit Duocip

1.2. Authorisation holder

Name and address of the authorisation holder	Name	CVAS Development GmbH
	Address	Am Hafen 16 68526 Ladenburg Germany
Authorisation number	EU-0028957-00000 1-8	

R4BP 3 asset reference number	EU-0028957-0020
Date of the authorisation	18/07/2023
Expiry date of the authorisation	30/06/2033

1.3. Manufacturer(s) of the biocidal products

Name of the manufacturer	Calvatis GmbH
Address of the manufacturer	Am Hafen 16 68526 Ladenburg Germany
Location of manufacturing sites	Am Hafen 16 68526 Ladenburg Germany

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

Active substance	1322 - L-(+)-lactic acid
Name of the manufacturer	Purac Biochem bv
Address of the manufacturer	Arkelsedijk 46 4206AC Gorinchem Netherlands
Location of manufacturing sites	Arkelsedijk 46 4206AC Gorinchem 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 (%)
L-(+)-lactic acid		Active Substance	79-33-4	201-196-2	16
Methanesulphonic acid	Methanesulphonic acid	Non-active substance	75-75-2	200-898-6	10,5
Phosphoric acid	Phosphoric acid	Non-active substance	7664-38-2	231-633-2	0
Sulphuric acid	Sulphuric acid	Non-active substance	7664-93-9	231-639-5	4,5
Isononanoic acid	Isononanoic acid	Non-active substance	3302-10-1	221-975-0	2,5

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>Corrosive to the respiratory tract.</p>
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Precautionary statements

Do not breathe spray.

Wear protective gloves.

Wear protective clothing.

Wear eye protection.

Wear face protection.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

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.

Store in corrosion resistant container with a resistant inner liner.

Dispose of contents to in accordance with local regulations.

Dispose of container to in accordance with local regulations.

4. Authorised use(s)

4.1 Use description

Use 1 - Use # 8.1 – Hard surface disinfection by automated spraying in closed cleaning in place (CIP) system

Product type	PT04 - Food and feed area (Disinfectants)
Where relevant, an exact description of the authorised use	-
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>Hard surface disinfection</p>
Application method(s)	<p>Method: Spraying Detailed description:</p> <p>Hard surface disinfection</p>

	<p>Automated dosing and spraying in closed CIP system</p> <p>CIP system: pipe work, fermentation and storage tanks</p>
<p>Application rate(s) and frequencies</p>	<p>Application Rate: Concentrated product, 16,0-17,6% L-(+)-lactic acid Dilution (%): Bactericidal claim: 2,5% (w/w) dilution of the product, 0,40-0,44% L-(+)-lactic acid Yeastocidal claim: 2% (w/w) dilution of the product, 0,32-0,35% L-(+)-lactic acid Number and timing of application: once a day</p>
<p>Category(ies) of users</p>	<p>Professional</p>
<p>Pack sizes and packaging material</p>	<p>HDPE jerrycan: 5-60 kg HDPE drum: 60-200 kg HDPE IBC: 600-1000 kg</p>

4.1.1 Use-specific instructions for use

See general directions for use.

4.1.2 Use-specific risk mitigation measures

See general directions for 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

See general directions for use.

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

See general directions for use.

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.

5. General directions for use

5.1. Instructions for use

Connect the jerrycan, drum or IBC containing the product with the dosing unit of the CIP system. Dosing and dilution are performed automatically via the dosing unit of the CIP system and monitored by conductivity measurements.
Avoid contact with aluminium, non-ferrous metals and galvanised materials.
Precleaning is not necessary.

Minimum contact time is 5 minutes for bacteria and 15 minutes for yeasts.
After application, rinse the treated system thoroughly with clean water.

5.2. Risk mitigation measures

Wear chemical goggles consistent with the European Standard EN ISO 16321 or equivalent, protective clothing chemically resistant to the biocidal product, chemical resistant gloves classified under the European Standard EN ISO 374 or equivalent. Google, gloves and coverall material to be specified by the authorisation holder within the product information.
Wear respiratory protection when handling the concentrated product. Respiratory protection to be specified by the authorisation holder within the product information. Avoid standing in areas with aerosol formation.
This is without prejudice to the application of Directive 98/24/EC and other Union legislation in the area of health and safety at work.

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

First aid instructions

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

If symptoms: call 112 or an ambulance for medical assistance.

If no symptoms: call a POISON CENTRE or a doctor.

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 or an ambulance for medical assistance.

IF SWALLOWED: immediately rinse mouth. Give something to drink, if exposed person is able to swallow. Do NOT induce vomiting. Call 112 or an ambulance for medical assistance.

Emergency measure to protect the environment

Environmental precautions: do not allow product to reach sewage systems or water bodies.

Methods and material for containment and cleaning up: absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of the material collected in accordance with local regulations.

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

At the end of the application, dispose unused product and the packaging in accordance with local requirements.
Used product can be flushed to municipal sewer depending on local requirements.

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

Shelf life: 24 months
Ensure good ventilation or exhaustion.
Do not store together with alkalis (caustic solutions).
Do not store at temperatures above 40°C.
Keep away from heat and direct sunlight.
Protect from frost.
Keep container tightly closed.

6. Other information

Not relevant