

Summary of product characteristics for a biocidal product family

Family name: CVAS Biocidal Product Family based on L(+) Lactic Acid

Product type(s): PT03 - Veterinary hygiene (Disinfectants)

PT04 - Food and feed area (Disinfectants)

Authorisation number: EU-0028957-00000

R4BP 3 asset reference number: EU-0028957-0000

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Part I.- First information level

1. Administrative information

1.1. Family name

CVAS Biocidal Product Family based on L(+) Lactic Acid

1.2. Product type(s)

PT03 - Veterinary hygiene (Disinfectants)
PT04 - Food and feed area (Disinfectants)

1.3. 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

R4BP 3 asset reference
number

EU-0028957-0000

Date of the authorisation

18/07/2023

Expiry date of the
authorisation

30/06/2033

1.4. 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

Name of the manufacturer	Arthur Schopf Hygiene GmbH & Co. KG
Address of the manufacturer	Pfaffensteinstraße 1 83115 Neubeuern Germany
Location of manufacturing sites	Pfaffensteinstraße 1 83115 Neubeuern Germany

1.5. 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 family composition and formulation

2.1. Qualitative and quantitative information on the composition of the family

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
L-(+)-lactic acid		Active Substance	79-33-4	201-196-2	1,92 - 17,6
Methanesulphonic acid	Methanesulphonic acid	Non-active substance	75-75-2	200-898-6	0 - 10,5
Phosphoric acid	Phosphoric acid	Non-active substance	7664-38-2	231-633-2	0 - 18,75
Sulphuric acid	Sulphuric acid	Non-active substance	7664-93-9	231-639-5	0 - 4,5
Isononanoic acid	Isononanoic acid	Non-active substance	3302-10-1	221-975-0	0 - 2,5

2.2. Type(s) of formulation

AL - Any other liquid
SL - Soluble concentrate

Part II.- Second information level - meta SPC(s)

1. Meta SPC administrative information

1.1. Meta SPC identifier

mSPC1

1.2. Suffix to the authorisation number

1-1

1.3 Product type(s)

PT03 - Veterinary hygiene (Disinfectants)

2. Meta SPC composition

2.1. Qualitative and quantitative information on the composition of the meta SPC

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
L-(+)-lactic acid		Active Substance	79-33-4	201-196-2	1,92 - 1,96

2.2. Type(s) of formulation of the meta SPC

Formulation(s)

AL - Any other liquid

3. Hazard and precautionary statements of the meta SPC

Hazard statements

Precautionary statements

4. Authorised use(s) of the meta SPC

4.1 Use description

Use 1 - Use # 1.1 - Teat-disinfection post-milking by manual or automated dipping

Product type

PT03 - Veterinary hygiene (Disinfectants)

Where relevant, an exact description of the authorised use

-

Target organism(s) (including development stage)

Scientific name:
Common name: Bacteria
Development stage:

Scientific name:
Common name: Yeasts
Development stage:

Field(s) of use

Indoor

Teat-disinfection post-milking

Application method(s)

Method: Dipping
Detailed description:
Teat-disinfection post-milking
Manual dipping using a dip cup
Automated dipping by robot

Application rate(s) and frequencies

Application Rate: Ready-To-Use (RTU) product, 1,92-1,96% L-(+)-lactic acid
Dilution (%): -
Number and timing of application:
2-3 times a day (after each milking)

Category(ies) of users

Professional

Pack sizes and packaging material

High density polyethylene (HDPE) jerrycan: 5-60 kg
HDPE drum: 60-200 kg
HDPE Intermediate Bulk Container (IBC): 600-1000 kg

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 of the meta SPC

5.1. Instructions for use

The product must be brought to a temperature between 20°C and 30°C before use.
The use of a dosing pump for filling the product into the application equipment is recommended.
Fill in the dosing pump reservoir with the RTU product. Avoid discharge of surplus fluids.
Apply the product by manual or automated dipping. Make sure that the teats are fully covered with disinfectant. Application volumes for cows and buffaloes - 5 ml/treatment and for sheep and goats - 3 ml/treatment.

Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.
After disinfection clean the application equipment by rinsing with water.

5.2. Risk mitigation measures

None

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

First aid instructions

IF INHALED: if symptoms occur call a POISON CENTRE or a doctor.

IF ON SKIN: wash skin with water. If symptoms occur call a POISON CENTRE or a doctor.

IF IN EYES: if symptoms occur rinse with water. Remove contact lenses, if present and easy to do. Call a POISON CENTRE or a doctor.

IF SWALLOWED: if symptoms occur call a POISON CENTRE or a doctor.

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, universal binder). Do not use combustible material like

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 treatment, dispose unused product and the packaging in accordance with local requirements.
Used product can be flushed to municipal sewer or disposed to the manure deposit depending on local requirements.

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

Shelf life: 24 months

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

7. Third information level: individual products in the meta SPC

7.1 Trade name(s), authorisation number and specific composition of each individual product

Trade name(s)

calgodip Amadine Film	Market area: EU
AGRIMARKT MILCHSÄUREMANTEL	Market area: EU
IWETEC MILCHSÄURE DIPP	Market area: EU
Authorisation number (R4BP 3 asset reference number - National Authorisation) EU-0028957-0001 1-1	

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
L-(+)-lactic acid		Active Substance	79-33-4	201-196-2	1,92

Trade name(s)

Dip es lac DL	Market area: EU
Traylac O-F	Market area: EU
Baktostop Lactic	Market area: EU
Lacti-Bac Dip	Market area: EU
DS 1.0 F	Market area: EU

Authorisation number

(R4BP 3 asset reference number - National
Authorisation)

EU-0028957-0002 1-1

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
L-(+)-lactic acid		Active Substance	79-33-4	201-196-2	1,92

Trade name(s)

calgodip Blue Kamille Film

Market area: EU

Authorisation number

(R4BP 3 asset reference number - National
Authorisation)

EU-0028957-0003 1-1

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
L-(+)-lactic acid		Active Substance	79-33-4	201-196-2	1,92

Trade name(s)

Dip es protect DL

Market area: EU

BaktoStop lactic H	Market area: EU
Dip Agro Protect	Market area: EU
Kuhmilin Dip Top M	Market area: EU
Lacti-Protect Dip	Market area: EU
DSR 1.5 F	Market area: EU
ProfiMix inSilk	Market area: EU
Authorisation number <small>(R4BP 3 asset reference number - National Authorisation)</small> EU-0028957-0004 1-1	

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
L-(+)-lactic acid		Active Substance	79-33-4	201-196-2	1,92

1. Meta SPC administrative information

1.1. Meta SPC identifier

mSPC2

1.2. Suffix to the authorisation number

1-2

1.3 Product type(s)

PT03 - Veterinary hygiene (Disinfectants)

2. Meta SPC composition

2.1. Qualitative and quantitative information on the composition of the meta SPC

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
L-(+)-lactic acid		Active Substance	79-33-4	201-196-2	6,8 - 6,8

2.2. Type(s) of formulation of the meta SPC

Formulation(s)

AL - Any other liquid

3. Hazard and precautionary statements of the meta SPC

Hazard statements

Causes skin irritation.
Causes serious eye damage.

Precautionary statements

Wash hands thoroughly after handling.
Wear protective gloves.
Wear eye protection.
IF ON SKIN: Wash with plenty of water.
If skin irritation occurs: Get medical advice.
If skin irritation occurs: Get medical attention.
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.

Dispose of contents to in accordance with local regulations.

Dispose of container to in accordance with local regulations.

4. Authorised use(s) of the meta SPC

4.1 Use description

Use 1 - Use # 2.1 - Teat-disinfection post-milking by manual or automated dipping

Product type	PT03 - Veterinary hygiene (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>Teat-disinfection post-milking</p>
Application method(s)	<p>Method: Dipping Detailed description: Teat-disinfection post-milking Manual dipping using a dip cup Automated dipping by robot</p>
Application rate(s) and frequencies	<p>Application Rate: RTU product, 6,80% L-(-)-lactic acid Dilution (%): - Number and timing of application: 2-3 times a day (after each milking)</p>
Category(ies) of users	Professional
Pack sizes and packaging material	<p>HDPE jerrycan: 5-60 kg HDPE drum: 60-200 kg</p>

HDPE IBC: 600-1000 kg

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 of the meta SPC

5.1. Instructions for use

The product must be brought to a temperature between 20°C and 30°C before use.
The use of a dosing pump for filling the product into the application equipment is recommended.
Fill in the dosing pump reservoir with the RTU product. Avoid discharge of surplus fluids.
Apply the product by manual or automated dipping. Make sure that the teats are fully covered with disinfectant. Application volumes for cows and buffaloes - 5 ml/treatment and for sheep and goats - 3 ml/treatment.
Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.
After disinfection clean the application equipment by rinsing with water.
Keep out of reach of children.

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. See section 6 for the full titles of the EN standards.

Goggles, gloves and coverall material to be specified by the authorisation holder within the product information.

This is without prejudice to the application of Council Directive 98/24/EC and other Union legislation in the area of health and safety at work. See section 6 for the full reference to this act.

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

First aid instructions

IF INHALED: if symptoms occur call a POISON CENTRE or a doctor.

IF ON SKIN: take off all contaminated clothing and wash it before reuse. Wash skin with water. If skin irritation occurs: Get medical advice.

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, universal binder). Do not use combustible material like 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 treatment, dispose unused product and the packaging in accordance with local requirements.

Used product can be flushed to municipal sewer or disposed to the manure deposit depending on local requirements.

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

Shelf life: 24 months

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

The full titles of EN standards mentioned in the section 5.2 'Risk mitigation measures' are:

EN ISO 16321– Eye and face protection for occupational users.

EN ISO 374 – Protective gloves against dangerous chemicals and micro-organisms.

The full reference of the legal act mentioned in the section 5.2 'Risk mitigation measures' is:

Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work (fourteenth individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC) (OJ L 131, 5.5.1998, p. 11).

7. Third information level: individual products in the meta SPC

7.1 Trade name(s), authorisation number and specific composition of each individual product

Trade name(s)	calgodip Amadine forte Film	Market area: EU
Authorisation number <small>(R4BP 3 asset reference number - National Authorisation)</small>	EU-0028957-0005 1-2	

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
L-(+)-lactic acid		Active Substance	79-33-4	201-196-2	6,8

Trade name(s)	Dip es lac DLX	Market area: EU
Authorisation number <small>(R4BP 3 asset reference number - National Authorisation)</small>	EU-0028957-0006 1-2	

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
L-(+)-lactic acid		Active Substance	79-33-4	201-196-2	6,8

Trade name(s)

calgodip Blue Kamille forte Film

Market area: EU

Authorisation number

(R4BP 3 asset reference number - National Authorisation)

EU-0028957-0007 1-2

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
L-(+)-lactic acid		Active Substance	79-33-4	201-196-2	6,8

Trade name(s)

Dip es protect DLX

Market area: EU

Authorisation number

(R4BP 3 asset reference number - National Authorisation)

EU-0028957-0008 1-2

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
L-(+)-lactic acid		Active Substance	79-33-4	201-196-2	6,8

1. Meta SPC administrative information

1.1. Meta SPC identifier

mSPC3

1.2. Suffix to the authorisation number

1-3

1.3 Product type(s)

PT03 - Veterinary hygiene (Disinfectants)

2. Meta SPC composition

2.1. Qualitative and quantitative information on the composition of the meta SPC

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
L-(+)-lactic acid		Active Substance	79-33-4	201-196-2	1,92 - 1,96

2.2. Type(s) of formulation of the meta SPC

Formulation(s)

AL - Any other liquid

3. Hazard and precautionary statements of the meta SPC

Hazard statements	
Precautionary statements	

4. Authorised use(s) of the meta SPC

4.1 Use description

Use 1 - Use # 3.1 – Teat-disinfection post-milking by manual or automated dipping or spraying

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: Common name: Bacteria Development stage: Scientific name: Common name: Yeasts Development stage:
Field(s) of use	Indoor Teat-disinfection post-milking
Application method(s)	Method: Dipping Detailed description: Teat-disinfection post-milking Manual dipping using a dip cup Automated dipping by robot Method: Spraying Detailed description: Teat-disinfection post-milking Manual spraying using a trigger sprayer Manual spraying using an electronic sprayer Automated spraying by robot
Application rate(s) and frequencies	Application Rate: RTU product, 1,92-1,96% L-(+)-lactic acid Dilution (%): - Number and timing of application: 2-3 times a day (after each milking)

	<p>Application Rate: RTU product, 1,92-1,96% L-(+)-lactic acid Dilution (%): - Number and timing of application: 2-3 times a day (after each milking)</p>
Category(ies) of users	Professional
Pack sizes and packaging material	HDPE jerrycan: 5-60 kg HDPE drum: 60-200 kg HDPE IBC: 600-1000 kg

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 of the meta SPC

5.1. Instructions for use

The product must be brought to a temperature between 20°C and 30°C before use.
The use of a dosing pump for filling the product into the application equipment is recommended.
Fill in the dosing pump reservoir with the RTU product. Avoid discharge of surplus fluids.
Apply the product by manual or automated dipping or spraying. Make sure that the teats are fully covered with disinfectant.
Application volumes for cows and buffaloes - 5 ml/treatment and for sheep and goats - 3 ml/treatment.
Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.
After disinfection clean the application equipment by rinsing with water.

5.2. Risk mitigation measures

None

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

First aid instructions

IF INHALED: if symptoms occur call a POISON CENTRE or a doctor.

IF ON SKIN: wash skin with water. If symptoms occur call a POISON CENTRE or a doctor.

IF IN EYES: if symptoms occur rinse with water. Remove contact lenses, if present and easy to do. Call a POISON CENTRE or a doctor.

IF SWALLOWED: if symptoms occur call a POISON CENTRE or a doctor.

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, universal binder). Do not use combustible material like 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 treatment, dispose unused product and the packaging in accordance with local requirements.
Used product can be flushed to municipal sewer or disposed to the manure deposit depending on local requirements.

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

Shelf life: 24 months
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

7. Third information level: individual products in the meta SPC

7.1 Trade name(s), authorisation number and specific composition of each individual product

Trade name(s)

calgodip Amadine Spray	Market area: EU
AGRIMARKT MILCHSÄURENEBEL	Market area: EU
IWETEC MILCHSÄURE SPRAY	Market area: EU
EU-0028957-0009 1-3	

Authorisation number

(R4BP 3 asset reference number - National Authorisation)

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
L-(+)-lactic acid		Active Substance	79-33-4	201-196-2	1,92

Trade name(s)

Dip es lac DL Spray	Market area: EU
Traylac O-S	Market area: EU

Authorisation number

(R4BP 3 asset reference number - National Authorisation)

Lacti-Bac Spray	Market area: EU
DS 1.0 S	Market area: EU
EU-0028957-0010 1-3	

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
L-(+)-lactic acid		Active Substance	79-33-4	201-196-2	1,92

Trade name(s)**Authorisation number**

(R4BP 3 asset reference number - National Authorisation)

calgodip Blue Kamille Spray	Market area: EU
EU-0028957-0011 1-3	

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
L-(+)-lactic acid		Active Substance	79-33-4	201-196-2	1,92

Trade name(s)

Dip es protect DL Spray	Market area: EU
Dip Agro Protect SP	Market area: EU
Kuhmilin Sprüh Top M	Market area: EU
Lacti-Protect Spray	Market area: EU
DSR 1.5 S	Market area: EU
Authorisation number (R4BP 3 asset reference number - National Authorisation) EU-0028957-0012 1-3	

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
L-(+)-lactic acid		Active Substance	79-33-4	201-196-2	1,92

1. Meta SPC administrative information

1.1. Meta SPC identifier

mSPC4

1.2. Suffix to the authorisation number

1-4

1.3 Product type(s)

PT03 - Veterinary hygiene (Disinfectants)

2. Meta SPC composition

2.1. Qualitative and quantitative information on the composition of the meta SPC

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
L-(+)-lactic acid		Active Substance	79-33-4	201-196-2	6,8 - 6,8

2.2. Type(s) of formulation of the meta SPC

Formulation(s)

AL - Any other liquid

3. Hazard and precautionary statements of the meta SPC

Hazard statements

Causes skin irritation.
Causes serious eye damage.

Precautionary statements

Wash hands thoroughly after handling.
Wear protective gloves.
Wear eye protection.
IF ON SKIN: Wash with plenty of water.
If skin irritation occurs: Get medical advice.
If skin irritation occurs: Get medical attention.

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.

Dispose of contents to in accordance with local regulations.

Dispose of container to in accordance with local regulations.

4. Authorised use(s) of the meta SPC

4.1 Use description

Use 1 - Use # 4.1 - Teat-disinfection post-milking by manual or automated dipping or spraying

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: Common name: Bacteria Development stage: Scientific name: Common name: Yeasts Development stage:
Field(s) of use	Indoor Teat-disinfection post-milking
Application method(s)	Method: Dipping Detailed description: Teat-disinfection post-milking Manual dipping using a dip cup Automated dipping by robot Method: Spraying Detailed description: Teat-disinfection post-milking Manual spraying using a trigger sprayer Manual spraying using an electronic sprayer Automated spraying by robot
Application rate(s) and frequencies	Application Rate: RTU product, 6,80% L-(+)-lactic acid Dilution (%): - Number and timing of application:

	<p>2-3 times a day (after each milking)</p> <p>Application Rate: RTU product, 6,80% L-(+)-lactic acid Dilution (%): - Number and timing of application: 2-3 times a day (after each milking)</p>
Category(ies) of users	Professional
Pack sizes and packaging material	HDPE jerrycan: 5-60 kg HDPE drum: 60-200 kg HDPE IBC: 600-1000 kg

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 of the meta SPC

5.1. Instructions for use

The product must be brought to a temperature between 20°C and 30°C before use.
The use of a dosing pump for filling the product into the application equipment is recommended.
Fill in the dosing pump reservoir with the RTU product. Avoid discharge of surplus fluids.
Apply the product by manual or automated dipping or spraying. Make sure that the teats are fully covered with disinfectant.
Application volumes for cows and buffaloes - 5 ml/treatment and for sheep and goats - 3 ml/treatment.
Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.
After disinfection clean the application equipment by rinsing with water.
Keep out of reach of children.

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.
Goggles, gloves and coverall material to be specified by the authorisation holder within the product information.
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: if symptoms occur call a POISON CENTRE or a doctor.

IF ON SKIN: take off all contaminated clothing and wash it before reuse. Wash skin with water. If skin irritation occurs: Get medical advice.

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, universal binder). Do not use combustible material like sawdust. Dispose of the material collected in accordance with local regulations.

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

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.
Used product can be flushed to municipal sewer or disposed to the manure deposit depending on local requirements.

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

Shelf life: 24 months
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

7. Third information level: individual products in the meta SPC

7.1 Trade name(s), authorisation number and specific composition of each individual product

Trade name(s)

calgodip Amadine forte Spray

Market area: EU

Authorisation number

(R4BP 3 asset reference number - National Authorisation)

EU-0028957-0013 1-4

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
L-(+)-lactic acid		Active Substance	79-33-4	201-196-2	6,8

Trade name(s)

Dip es lac DLX Spray

Market area: EU

Authorisation number

(R4BP 3 asset reference number - National Authorisation)

EU-0028957-0014 1-4

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
L-(+)-lactic acid		Active Substance	79-33-4	201-196-2	6,8

Trade name(s)

calgodip Blue Kamille forte Spray

Market area: EU

Authorisation number

(R4BP 3 asset reference number - National Authorisation)

EU-0028957-0015 1-4

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
L-(+)-lactic acid		Active Substance	79-33-4	201-196-2	6,8

Trade name(s)

Dip es protect DLX Spray

Market area: EU

Authorisation number

(R4BP 3 asset reference number - National Authorisation)

EU-0028957-0016 1-4

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
L-(+)-lactic acid		Active Substance	79-33-4	201-196-2	6,8

1. Meta SPC administrative information**1.1. Meta SPC identifier**

mSPC5

1.2. Suffix to the authorisation number

1-5

1.3 Product type(s)

2. Meta SPC composition

2.1. Qualitative and quantitative information on the composition of the meta SPC

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
L-(+)-lactic acid		Active Substance	79-33-4	201-196-2	1,92 - 1,96

2.2. Type(s) of formulation of the meta SPC

Formulation(s)

AL - Any other liquid

3. Hazard and precautionary statements of the meta SPC

Hazard statements

Causes skin irritation.
Causes serious eye irritation.

Precautionary statements

Wash hands thoroughly after handling.
Wear protective gloves.
Wear eye protection.
IF ON SKIN: Wash with plenty of water.
If skin irritation occurs: Get medical advice.
If skin irritation occurs: Get medical attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice.
If eye irritation persists: Get medical attention.
Dispose of container to in accordance with local regulations.
Dispose of contents to in accordance with local regulations.

4. Authorised use(s) of the meta SPC

4.1 Use description

Use 1 - Use # 5.1 – Teat-disinfection post-milking by manual or automated dipping or spraying

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: Common name: Bacteria Development stage: Scientific name: Common name: Yeasts Development stage:
Field(s) of use	Indoor Teat-disinfection post-milking
Application method(s)	Method: Dipping Detailed description: Teat-disinfection post-milking Manual dipping using a dip cup Automated dipping by robot Method: Spraying Detailed description: Teat-disinfection post-milking Manual spraying using a trigger sprayer Manual spraying using an electronic sprayer Automated spraying by robot
Application rate(s) and frequencies	Application Rate: RTU product, 1,92-1,96% L-(+)-lactic acid Dilution (%): - Number and timing of application: 2-3 times a day (after each milking) Application Rate: RTU product, 1,92-1,96% L-(+)-lactic acid Dilution (%): - Number and timing of application: 2-3 times a day (after each milking)
Category(ies) of users	Professional

Pack sizes and packaging material

HDPE jerrycan: 5-60 kg
HDPE drum: 60-200 kg
HDPE IBC: 600-1000 kg

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 of the meta SPC

5.1. Instructions for use

The product must be brought to a temperature between 20°C and 30°C before use.
The use of a dosing pump for filling the product into the application equipment is recommended.
Fill in the dosing pump reservoir with the RTU product. Avoid discharge of surplus fluids.

Apply the product by manual or automated dipping or spraying. Make sure that the teats are fully covered with disinfectant. Application volumes for cows and buffaloes - 5 ml/treatment and for sheep and goats - 3 ml/treatment. Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment. After disinfection clean the application equipment by rinsing with water. Keep out of reach of children.

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. Goggles, gloves and coverall material to be specified by the authorisation holder within the product information. 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: if symptoms occur call a POISON CENTRE or a doctor.

IF ON SKIN: take off all contaminated clothing and wash it before reuse. Wash skin with water. If skin irritation occurs: Get medical advice.

IF IN EYES: rinse with water. Remove contact lenses, if present and easy to do. Continue rinsing for 5 minutes. Call a POISON CENTRE or a doctor.

IF SWALLOWED: rinse mouth. Give something to drink, if exposed person is able to swallow. Do NOT induce vomiting. Call a POISON CENTRE or a doctor.

Emergency measure to protect the environment

Environmental precautions: no special environmental measures are necessary. Clean contaminated articles and floor in accordance with the environmental legislation.

Methods and material for containment: absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

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 or disposed to the manure deposit depending on local requirements.

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

Shelf life: 24 months
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

7. Third information level: individual products in the meta SPC

7.1 Trade name(s), authorisation number and specific composition of each individual product

Trade name(s)

Dip es poly-film Spray	Market area: EU
Lacti-Shield Spray	Market area: EU
DS 2.0 SP	Market area: EU
Authorisation number (R4BP 3 asset reference number - National Authorisation) EU-0028957-0017 1-5	

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
L-(+)-lactic acid		Active Substance	79-33-4	201-196-2	1,92

1. Meta SPC administrative information

1.1. Meta SPC identifier

mSPC6

1.2. Suffix to the authorisation number

1-6

1.3 Product type(s)

PT03 - Veterinary hygiene (Disinfectants)

2. Meta SPC composition

2.1. Qualitative and quantitative information on the composition of the meta SPC

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
L-(+)-lactic acid		Active Substance	79-33-4	201-196-2	6,8 - 6,8

2.2. Type(s) of formulation of the meta SPC

Formulation(s)

AL - Any other liquid

3. Hazard and precautionary statements of the meta SPC

Hazard statements

Causes skin irritation.
Causes serious eye damage.

Precautionary statements

Wash hands thoroughly after handling.
Wear protective gloves.
Wear eye protection.
IF ON SKIN: Wash with plenty of water.
If skin irritation occurs: Get medical advice.
If skin irritation occurs: Get medical attention.

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.

Dispose of contents to in accordance with local regulations.

Dispose of container to in accordance with local regulations.

4. Authorised use(s) of the meta SPC

4.1 Use description

Use 1 - Use # 6.1 - Teat-disinfection post-milking by manual or automated dipping or spraying

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: Common name: Bacteria Development stage: Scientific name: Common name: Yeasts Development stage:
Field(s) of use	Indoor Teat-disinfection post-milking
Application method(s)	Method: Dipping Detailed description: Teat-disinfection post-milking Manual dipping using a dip cup Automated dipping by robot Method: Spraying Detailed description: Teat-disinfection post-milking Manual spraying using a trigger sprayer Manual spraying using an electronic sprayer Automated spraying by robot
Application rate(s) and frequencies	Application Rate: RTU product, 6,80% L-(+)-lactic acid Dilution (%): - Number and timing of application:

	<p>2-3 times a day (after each milking)</p> <p>Application Rate: RTU product, 6,80% L-(+)-lactic acid Dilution (%): - Number and timing of application: 2-3 times a day (after each milking)</p>
Category(ies) of users	Professional
Pack sizes and packaging material	HDPE jerrycan: 5-60 kg HDPE drum: 60-200 kg HDPE IBC: 600-1000 kg

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 of the meta SPC

5.1. Instructions for use

The product must be brought to a temperature between 20°C and 30°C before use.
The use of a dosing pump for filling the product into the application equipment is recommended.
Fill in the dosing pump reservoir with the RTU product. Avoid discharge of surplus fluids.
Apply the product by manual or automated dipping or spraying. Make sure that the teats are fully covered with disinfectant.
Application volumes for cows and buffaloes - 5 ml/treatment and for sheep and goats - 3 ml/treatment.
Leave the product on the teats until next milking. Keep the animals standing for at least 5 minutes after treatment.
After disinfection clean the application equipment by rinsing with water.
Keep out of reach of children.

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.
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: if symptoms occur call a POISON CENTRE or a doctor.
IF ON SKIN: take off all contaminated clothing and wash it before reuse. Wash skin with water. If skin irritation occurs: Get medical advice.
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: no special environmental measures are necessary. Clean contaminated articles and floor in accordance with the environmental legislation.
Methods and material for containment: absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

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 or disposed to the manure deposit depending on local requirements.

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

Shelf life: 24 months

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

7. Third information level: individual products in the meta SPC

7.1 Trade name(s), authorisation number and specific composition of each individual product

Trade name(s)

Dip es poly-spray DLX

Market area: EU

Authorisation number

EU-0028957-0018 1-6

(R4BP 3 asset reference number - National Authorisation)

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
L-(+)-lactic acid		Active Substance	79-33-4	201-196-2	6,8

1. Meta SPC administrative information

1.1. Meta SPC identifier

mSPC7

1.2. Suffix to the authorisation number

1-7

1.3 Product type(s)

PT04 - Food and feed area (Disinfectants)

2. Meta SPC composition

2.1. Qualitative and quantitative information on the composition of the meta SPC

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
L-(+)-lactic acid		Active Substance	79-33-4	201-196-2	16 - 17,6
Methanesulphonic acid	Methanesulphonic acid	Non-active substance	75-75-2	200-898-6	6,3 - 7

2.2. Type(s) of formulation of the meta SPC

Formulation(s)

SL - Soluble concentrate

3. Hazard and precautionary statements of the meta SPC

Hazard statements	May be corrosive to metals. Causes severe skin burns and eye damage. Corrosive to the respiratory tract.
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 doctor. Immediately call a POISON CENTER. 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) of the meta SPC

4.1 Use description

Use 1 - Use # 7.1 – Hard surface disinfection by manual or automated foaming

Product type	PT04 - Food and feed area (Disinfectants)
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: Common name: Bacteria Development stage: Scientific name:

	Common name: Yeasts Development stage:
Field(s) of use	Indoor Hard surface disinfection
Application method(s)	Method: Foaming Detailed description: Hard surface disinfection Manual foaming using a foam lance Automated foaming with fixed installed foaming nozzles <u>Foaming equipment</u> Satellite stations: fixed installations connected to jerrycans, drums or IBCs and mobile trolleys equipped with 20 litres container of concentrated product
Application rate(s) and frequencies	Application Rate: Concentrated product, 16,0-17,6% L-(+)-lactic acid Dilution (%): Bactericidal claim: 5,0% (w/w) dilution of the product, 0,80-0,88% L-(+)-lactic acid Yeasticidal claim: 5,0% (w/w) dilution of the product, 0,80-0,88% L-(+)-lactic acid Number and timing of application: once a day
Category(ies) of users	Professional
Pack sizes and packaging material	HDPE jerrycan: 5-60 kg HDPE drum: 60-200 kg HDPE IBC: 600-1000 kg

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 of the meta SPC

5.1. Instructions for use

For fixed installations, connect the jerrycan, drum or IBC containing the product with the dosing unit of the satellite station. For mobile versions, place a 20 litres container of the neat product on the trolley and put the suction hose in. Connect water supply to the dosing unit. Dilution is performed automatically via the dosing unit of the fixed or mobile station and monitored by conductivity measurements.

Before disinfection remove loose dirt, any further precleaning is not necessary.

Apply the foam to the hard surfaces. Application volume is 350 ml of diluted product/m². Make sure that surfaces are well covered with the disinfectant.

Minimum contact time is 5 minutes for bacteria and 15 minutes for yeasts.

After application, rinse treated surfaces and flush foaming equipment thoroughly with clean water. For flushing of mobile systems, put the suction hose into a container 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, universal binder). Do not use combustible material like sawdust. Dispose of the material collected in accordance with local regulations. Ensure adequate ventilation.

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

7. Third information level: individual products in the meta SPC

7.1 Trade name(s), authorisation number and specific composition of each individual product

Trade name(s)	calgonit DS 633	Market area: EU
Authorisation number (R4BP 3 asset reference number - National Authorisation)	EU-0028957-0019 1-7	

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	7

1. Meta SPC administrative information

1.1. Meta SPC identifier

mSPC8

1.2. Suffix to the authorisation number

1-8

1.3 Product type(s)

PT04 - Food and feed area (Disinfectants)

2. Meta SPC composition

2.1. Qualitative and quantitative information on the composition of the meta SPC

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
L-(+)-lactic acid		Active Substance	79-33-4	201-196-2	16 - 17,6
Methanesulphonic acid	Methanesulphonic acid	Non-active substance	75-75-2	200-898-6	0 - 10,5
Phosphoric acid	Phosphoric acid	Non-active substance	7664-38-2	231-633-2	0 - 18,75
Sulphuric acid	Sulphuric acid	Non-active substance	7664-93-9	231-639-5	4,5 - 4,5

Isononanoic acid	Isononanoic acid	Non-active substance	3302-10-1	221-975-0	2,25 - 2,5
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2.2. Type(s) of formulation of the meta SPC

Formulation(s)

SL - Soluble concentrate

3. Hazard and precautionary statements of the meta SPC

Hazard statements

May be corrosive to metals.
 Causes severe skin burns and eye damage.
 Corrosive to the respiratory tract.

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) of the meta SPC

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)	Scientific name: Common name: Bacteria Development stage: Scientific name: Common name: Yeasts Development stage:
Field(s) of use	Indoor Hard surface disinfection
Application method(s)	Method: Spraying Detailed description: Hard surface disinfection Automated dosing and spraying in closed CIP system CIP system: pipe work, fermentation and storage tanks
Application rate(s) and frequencies	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 Yeasticidal claim: 2% (w/w) dilution of the product, 0,32-0,35% L-(+)-lactic acid Number and timing of application: once a day
Category(ies) of users	Professional
Pack sizes and packaging material	HDPE jerrycan: 5-60 kg HDPE drum: 60-200 kg HDPE IBC: 600-1000 kg

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 of the meta SPC

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.
Goggles, 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 to wash the skin with water for 15 minutes. Call a POISON CENTRE or a doctor.
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

7. Third information level: individual products in the meta SPC

7.1 Trade name(s), authorisation number and specific composition of each individual product

Trade name(s)

calgonit Duocip

Market area: EU

Authorisation number

(R4BP 3 asset reference number - National Authorisation)

EU-0028957-0020 1-8

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
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

Trade name(s)

calgonit Duocip P

Market area: EU

Authorisation number

(R4BP 3 asset reference number - National Authorisation)

EU-0028957-0021 1-8

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
L-(+)-lactic acid		Active Substance	79-33-4	201-196-2	16
Phosphoric acid	Phosphoric acid	Non-active substance	7664-38-2	231-633-2	18,75

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
