

# Summary of product characteristics for a biocidal product family

**Family name:** Lactic acid Family - Quatchem

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

**Authorisation number:** EU-0030143-0000

**R4BP 3 asset reference number:** EU-0030143-0000

## Table Of Contents

Part I.- First information level	1
1. Administrative information	1
2. Product family composition and formulation	2
Part II.- Second information level - meta SPC(s)	2
1. Meta SPC administrative information - <b>meta SPC 1</b>	3
2. Meta SPC composition	3
3. Hazard and precautionary statements of the meta SPC	3
4. Authorised use(s) of the meta SPC	4
5. General directions for use of the meta SPC	7
6. Other information	8
7. Third information level: individual products in the meta SPC	9
1. Meta SPC administrative information - <b>meta SPC 2</b>	11
2. Meta SPC composition	12
3. Hazard and precautionary statements of the meta SPC	12
4. Authorised use(s) of the meta SPC	13
5. General directions for use of the meta SPC	16
6. Other information	17
7. Third information level: individual products in the meta SPC	17

## Part I.- First information level

### 1. Administrative information

#### 1.1. Family name

Lactic acid Family - Quatchem

#### 1.2. Product type(s)

PT03 - Veterinary hygiene (Disinfectants)

#### 1.3. Authorisation holder

##### Name and address of the authorisation holder

Name	Arrow Regulatory (Ireland) Limited
Address	The Black Church St. Mary's Place D07 P4AX Dublin Ireland

##### Authorisation number

EU-0030143-0000

##### R4BP 3 asset reference number

EU-0030143-0000

##### Date of the authorisation

03/10/2023

##### Expiry date of the authorisation

30/09/2033

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

##### Name of the manufacturer

Quat-Chem Ltd. A Neogen Company

##### Address of the manufacturer

1-4 Sandfield Industrial Park, Dodgson Street, Rochdale OL16 5SJ Lancashire United Kingdom

##### Location of manufacturing sites

1-4 Sandfield Industrial Park, Dodgson Street, Rochdale OL16 5SJ Lancashire United Kingdom

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

<b>Active substance</b>	1322 - L-(+)-lactic acid
<b>Name of the manufacturer</b>	Purac Biochem bv
<b>Address of the manufacturer</b>	Arkelsedijk 46 4206 AC Gorinchem Netherlands
<b>Location of manufacturing sites</b>	Arkelsedijk 46 4206 AC Gorinchem Netherlands
<b>Active substance</b>	1322 - L-(+)-lactic acid
<b>Name of the manufacturer</b>	Jungbunzlauer S. A
<b>Address of the manufacturer</b>	Z.I. et Portuaire, B.P. 32 FR-67390 Marckolsheim France
<b>Location of manufacturing sites</b>	Z.I. et Portuaire, B.P. 32 FR-67390 Marckolsheim France

## 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	4 - 4

### 2.2. Type(s) of formulation

AL - Any other liquid
-----------------------

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

## 1. Meta SPC administrative information

### 1.1. Meta SPC identifier

meta SPC 1

### 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	4 - 4

### 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

Wear protective gloves.

Wear eye protection.

Wash hands thoroughly after handling.

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.

IF ON SKIN: Wash with plenty of water.

If skin irritation occurs: Get medical advice.

If skin irritation occurs: Get medical attention.

Take off contaminated clothing. And wash it before reuse.

Dispose of contents to hazardous or special waste collection point in accordance with national regulations.

Dispose of container to hazardous or special waste collection point in accordance with national regulations.

## 4. Authorised use(s) of the meta SPC

### 4.1 Use description

#### Use 1 - Use # 1.1 – Post milking teat disinfection – manual dipping

<b>Product type</b>	PT03 - Veterinary hygiene (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>
<b>Field(s) of use</b>	<p>Indoor</p> <p>Teat disinfection post-milking by manual dipping using a dip cup</p>
<b>Application method(s)</b>	<p>Method: Manual dipping using a dip cup Detailed description:</p> <p>Contact time for dipping at 30 °C in dirty conditions: - 5 minutes for bacteria and yeasts.</p>

**Application rate(s) and frequencies**

Application Rate: 5 to 10 ml per teat  
Dilution (%): RTU (Ready-to-use) product  
Number and timing of application:  
up to twice per day

**Category(ies) of users**

Professional

**Pack sizes and packaging material**

1000 litre high density polyethylene (HDPE) container with HDPE closure;  
200 litre plastic drum with HDPE closure;  
25 litre HDPE keg with DIN 61 or equivalent HDPE screw cap;  
5 litre HDPE keg with DIN 51 or equivalent HDPE screw cap.

**4.1.1 Use-specific instructions for use**

See general directions for use.  
Product to be applied post-milking by use of a dipping cup.  
Pre-clean teat with dry wipe, pour the product into the reservoir of the dip cup. When using a dip cup, the cup is applied to each teat in turn and the operator squeezes the product from the reservoir into the cup. The cup has a non-return valve so any residual product cannot go back into the reservoir.

**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.

## 4.2 Use description

### Use 2 - Use # 1.2 – Post milking teat disinfection - spraying

<b>Product type</b>	PT03 - Veterinary hygiene (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: -
<b>Field(s) of use</b>	Indoor  Teat disinfection post-milking by using hand-held sprayer
<b>Application method(s)</b>	Method: Manual spraying using hand-held sprayer Detailed description:  Contact time for spraying at 30 °C in dirty conditions: - 5 minutes for bacteria and yeasts.
<b>Application rate(s) and frequencies</b>	Application Rate: 5 to 10 ml per teat Dilution (%): RTU product Number and timing of application: up to twice per day
<b>Category(ies) of users</b>	Professional
<b>Pack sizes and packaging material</b>	1000 litre HDPE container with HDPE closure; 200 litre plastic drum with HDPE closure; 25 litre HDPE keg with DIN 61 or equivalent HDPE screw cap; 5 litre HDPE keg with DIN 51 or equivalent HDPE screw cap.



#### 4.2.1 Use-specific instructions for use

See general directions for use.  
Product to be applied post-milking by use of a hand-held sprayer.  
Pre-clean teat with dry wipe, pour the product into the reservoir of the sprayer. The operator will spray each animal once after milking.

#### 4.2.2 Use-specific risk mitigation measures

See general directions for use.  
Professional users have to ensure that professional bystanders are not present in the treatment area during disinfection process by spraying. If it is necessary for professional bystanders to be present, professional users have to ensure that those bystanders wear the same type of PPE as the operator.

#### 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.

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

See general directions for use.

#### 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.

### 5. General directions for use of the meta SPC

#### 5.1. Instructions for use

See use-specific instruction for use of meta SPC 1.  
Always read the label or leaflet before use.

The product must be brought to room temperature before use. The amount of product applied per teat is dependent upon the animal being treated. For large mammals (cows, camels) – up to 10 ml per teat, and for small mammals (sheep, goats) – up to 5 ml per teat. Make sure that the teats are fully covered with disinfectant. To ensure sufficient contact time, care should be taken that the product is not removed after application (e.g. keep the cows standing for at least 5 minutes).

## 5.2. Risk mitigation measures

The use of eye protection consistent with European standard EN ISO 16321 or equivalent during handling of the product is mandatory.  
Avoid hand to eye transfer.  
Wear protective chemical resistant gloves during product handling phase (nitrile gloves – classified under European standards EN ISO 374 or EN 455 or equivalent).  
The full titles of the European standards indicated here are available under section 6.

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

IF ON SKIN: Immediately wash with plenty of water. Thereafter take off all contaminated clothing and wash it before reuse. Continue to wash the skin with water for 15 minutes. Call a POISON CENTRE or a doctor.  
IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Call 112/ambulance for medical assistance.  
IF INHALED: Move to fresh air and keep at rest in a position comfortable for breathing. If symptoms: Call 112/ambulance for medical assistance. If no symptoms: Call a POISON CENTRE or a doctor.  
IF SWALLOWED: Immediately rinse mouth. Give something to drink, if exposed person is able to swallow. Do NOT induce vomiting. Call 112/ambulance for medical assistance.

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

At the end of the treatment, dispose of unused product and the packaging in accordance with local requirements. Used product can be flushed to the municipal sewer or disposed to the manure deposit depending on local requirements. Avoid release to an individual waste water treatment plant.

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

Keep out of reach of children.  
Store in original container tightly closed.  
Store between 0 °C and + 30 °C.  
Shelf life: 24 months

## 6. Other information

The full titles of the European standards referenced in section 5.2 'Risk mitigation measures' are :  
 EN ISO 16321 - Eye and face protection for occupational use  
 EN ISO 374 – Protective gloves against dangerous chemicals and microorganisms  
 EN 455 - Medical gloves for single use

## 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)

Synodex	Market area: EU
Lactopost	Market area: EU
Lactopost Y	Market area: EU
Lactopost Plus	Market area: EU
Lactopost Extra	Market area: EU
Synodex Y	Market area: EU
Synodex Extra	Market area: EU
Synodex Plus	Market area: EU
Udder X	Market area: EU
Teat Care	Market area: EU
Lacto Gold	Market area: EU

Lacto Extra	Market area: EU
Lactogold	Market area: EU
Lacto Spray	Market area: EU
<b>Authorisation number</b>  EU-0030143-0001 1-1	

(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	4

**Trade name(s)**

Laxsan	Market area: EU
Hexsan	Market area: EU
Lactopost R	Market area: EU
Laxsan R	Market area: EU
Hexfoam	Market area: EU
Deosan LA1	Market area: EU

Hexsan Extra	Market area: EU
Hexsan Plus	Market area: EU
Laxsan Plus	Market area: EU
Laxsan Extra	Market area: EU
Hexsan R	Market area: EU
LA1	Market area: EU
Condition Pink	Market area: EU
<b>Authorisation number</b> (R4BP 3 asset reference number - National Authorisation) EU-0030143-0002 1-1	

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

## 1. Meta SPC administrative information

### 1.1. Meta SPC identifier

meta SPC 2

## 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	4 - 4

### 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.  
Contains peppermint oil. May produce an allergic reaction.

Precautionary statements

Wear protective gloves.  
Wear eye protection.  
Wash hands thoroughly after handling.  
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.

IF ON SKIN:Wash with plenty of water.

If skin irritation occurs:Get medical advice.

If skin irritation occurs:Get medical attention.

Take off contaminated clothing.And wash it before reuse.

Dispose of contents to hazardous or special waste collection point in accordance with national regulations.

Dispose of container to hazardous or special waste collection point in accordance with national regulations.

## 4. Authorised use(s) of the meta SPC

### 4.1 Use description

#### Use 1 - Use # 3.1 – Post milking teat disinfection – manual dipping

<b>Product type</b>	PT03 - Veterinary hygiene (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>
<b>Field(s) of use</b>	<p>Indoor</p> <p>Teat disinfection post-milking by manual dipping using a dip cup</p>
<b>Application method(s)</b>	<p>Method: Manual dipping using a dip cup Detailed description:</p> <p>Contact time for dipping at 30 °C in dirty conditions: - 5 minutes for bacteria and yeasts.</p>
<b>Application rate(s) and frequencies</b>	<p>Application Rate: 5 to 10 ml per teat Dilution (%): RTU product Number and timing of application: up to twice per day</p>
<b>Category(ies) of users</b>	Professional

## Pack sizes and packaging material

1000 litre HDPE container with HDPE closure;  
200 litre plastic drum with HDPE closure;  
25 litre HDPE keg with DIN 61 or equivalent HDPE screw cap;  
5 litre HDPE keg with DIN 51 or equivalent HDPE screw cap.

### 4.1.1 Use-specific instructions for use

See general directions for use.  
Product to be applied post-milking by use of a dipping cup.  
Pre-clean teat with dry wipe, pour the product into the reservoir of the dip cup. When using a dip cup, the cup is applied to each teat in turn and the operator squeezes the product from the reservoir into the cup. The cup has a non-return valve so any residual product cannot go back into the reservoir.

### 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.

## 4.2 Use description



## Use 2 - Use # 3.2 – Post milking teat disinfection - spraying

<b>Product type</b>	PT03 - Veterinary hygiene (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: -
<b>Field(s) of use</b>	Indoor  Teat disinfection post-milking by using hand-held sprayer
<b>Application method(s)</b>	Method: Manual spraying using hand-held sprayer Detailed description:  Contact time for spraying at 30 °C in dirty conditions: - 5 minutes for bacteria and yeasts.
<b>Application rate(s) and frequencies</b>	Application Rate: 5 to 10 ml per teat Dilution (%): RTU product Number and timing of application: up to twice per day
<b>Category(ies) of users</b>	Professional
<b>Pack sizes and packaging material</b>	1000 litre HDPE container with HDPE closure; 200 litre plastic drum with HDPE closure; 25 litre HDPE keg with DIN 61 or equivalent HDPE screw cap; 5 litre HDPE keg with DIN 51 or equivalent HDPE screw cap.

### 4.2.1 Use-specific instructions for use

See general directions for use.  
Product to be applied post-milking by use of a hand-held sprayer.  
Pre-clean teat with dry wipe, pour the product into the reservoir of the sprayer. The operator will spray each animal once after milking.

## 4.2.2 Use-specific risk mitigation measures

See general directions for use.

Professional users have to ensure that professional bystanders are not present in the treatment area during disinfection process by spraying. If it is necessary for professional bystanders to be present, professional users have to ensure that those bystanders wear the same type of PPE as the operators.

## 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.

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

See general directions for use.

## 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.

# 5. General directions for use of the meta SPC

## 5.1. Instructions for use

See use-specific instruction for use of meta SPC 2.

Always read the label or leaflet before use.

The product must be brought to room temperature before use. The amount of product applied per teat is dependent upon the animal being treated. For large mammals (cows, camels) – up to 10 ml per teat, and for small mammals (sheep, goats) – up to 5 ml per teat. Make sure that the teats are fully covered with disinfectant. To ensure sufficient contact time, care should be taken that the product is not removed after application (e.g. keep the cows standing for at least 5 minutes).

## 5.2. Risk mitigation measures

The use of eye protection consistent with European standard EN ISO 16321 or equivalent during handling of the product is mandatory.

Avoid hand to eye transfer.

Wear protective chemical resistant gloves during product handling phase (nitrile gloves – classified under European standards EN ISO 374 or EN 455 or equivalent).

The full titles of the European standards indicated here are available under section 6.

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

IF ON SKIN: Immediately wash with plenty of water. Thereafter take off all contaminated clothing and wash it before reuse. Continue to wash the skin with water for 15 minutes. Call a POISON CENTRE or a doctor.  
IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Call 112/ambulance for medical assistance.  
IF INHALED: Move to fresh air and keep at rest in a position comfortable for breathing. If symptoms: Call 112/ambulance for medical assistance. If no symptoms: Call a POISON CENTRE or a doctor.  
IF SWALLOWED: Immediately rinse mouth. Give something to drink, if exposed person is able to swallow. Do NOT induce vomiting. Call 112/ambulance for medical assistance.

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

At the end of the treatment, dispose of unused product and the packaging in accordance with local requirements. Used product can be flushed to the municipal sewer or disposed to the manure deposit depending on local requirements. Avoid release to an individual waste water treatment plant.

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

Keep out of reach of children.  
Store in original container tightly closed.  
Store between 0 °C and + 30 °C.  
Shelf life: 24 months

## 6. Other information

The full titles of the EN standards referred to in section 5.2 are the following:  
EN ISO 16321 - Eye and face protection for occupational use  
EN ISO 374 – Protective gloves against dangerous chemicals and micro-organisms  
EN 455 - Medical gloves for single use

## 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)**

Synoshield	Market area: EU
Lactopost G	Market area: EU
Synoshield P	Market area: EU
Lactopost P	Market area: EU
Synoshield G	Market area: EU
Lactoshield	Market area: EU
Lactoshield Plus	Market area: EU
Lactoshield Extra	Market area: EU
Synoshield Extra	Market area: EU
Synoshield Plus	Market area: EU
Lactopost Protect	Market area: EU
Udder Shield	Market area: EU
Teat Care	Market area: EU
Mint Lacto Plus	Market area: EU
Lacto Care G	Market area: EU
Lactosal	Market area: EU

**Authorisation number**

(R4BP 3 asset reference number - National Authorisation)

Lacto Care P	Market area: EU
Previoshield	Market area: EU
EU-0030143-0003 1-2	

---

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

---