

# Summary of product characteristics for a biocidal product

**Product name:** Product 1-4 - Hydrachim

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

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**Authorisation number:** FR-2023-0054

**R4BP 3 asset reference number:** FR-0030922-0004

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## Administrative information

### 1.1. Trade names of the product

Product 1-4 - Hydrachim
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### 1.2. Authorisation holder

**Name and address of the authorisation holder**

Name	Hydrachim
Address	ZA du piquet 35370 Etrelles France
Authorisation number	FR-2023-0054 1-1

**R4BP 3 asset reference number**

FR-0030922-0004
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**Date of the authorisation**

20/09/2023
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**Expiry date of the authorisation**

19/09/2033
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### 1.3. Manufacturer(s) of the biocidal products

**Name of the manufacturer**

HYDRACHIM
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**Address of the manufacturer**

ZA DU PIQUET F-35370 ETRELLES France
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**Location of manufacturing sites**

ZA DE LA POINTE F-35380 PLELAN LE GRAND France
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ROUTE DE SAINTE POIX F-35370 LE PERTRE France
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#### 1.4. Manufacturer(s) of the active substance(s)

<b>Active substance</b>	1322 - L-(+)-lactic acid
<b>Name of the manufacturer</b>	Jungbunzlauer S.A
<b>Address of the manufacturer</b>	ZI Portuaire - BP 32 F-67390 Marcklosheim France
<b>Location of manufacturing sites</b>	Jungbunzlauer S.A - ZI Portuaire - BP 32 F-67390 Marcklosheim France

<b>Active substance</b>	1322 - L-(+)-lactic acid
<b>Name of the manufacturer</b>	Purac Bioquimica sa
<b>Address of the manufacturer</b>	Gran Vial 19-25 08160 MONTMELÓ Spain
<b>Location of manufacturing sites</b>	Gran Vial 19-25 E-08160 MONTMELÓ Spain

<b>Active substance</b>	1322 - L-(+)-lactic acid
<b>Name of the manufacturer</b>	Purac Bioquimica sa
<b>Address of the manufacturer</b>	Gran Arkelsedijk 46 4206 AC Gorinchem Netherlands
<b>Location of manufacturing sites</b>	Arkelsedijk 46 NL-4200 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	10,26

## 2.2. Type of formulation

AL - Any other liquid

## 3. Hazard and precautionary statements

### Hazard statements

Causes serious eye damage.

Contains Carvone and d-limonene. May produce an allergic reaction.

### Precautionary statements

Wear protective gloves.

Wear eye protection.

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/doctor/...

## 4. Authorised use(s)

### 4.1 Use description

**Use 1 - Use#1 - Teat disinfection of milkable animals: Pre- and/or post-milking teat disinfection by manual liquid dipping**

#### Product type

PT03 - Veterinary hygiene (Disinfectants)

#### Where relevant, an exact description of the authorised use

Non-medical teat disinfection pre- and/or post-milking

#### Target organism(s) (including development stage)

Scientific name:  
Common name: Bacteria  
Development stage:

Scientific name:  
Common name: Yeasts  
Development stage:

Scientific name:  
Common name: Enveloped viruses  
Development stage:

Scientific name:  
Common name: Bacteriophages (pre-milking only)  
Development stage:

#### Field(s) of use

Indoor

Disinfection of teats of milk producing animals

<b>Application method(s)</b>	Method: Open system: dip treatment Detailed description: Manual liquid dipping before and after milking
<b>Application rate(s) and frequencies</b>	Application Rate: Cows and buffaloes: 3 to 10ml - sheep:1.5 to 5 ml - goats: 2.5 to 6 ml Dilution (%): No dilution. Ready-to-use product Number and timing of application:  <ul style="list-style-type: none"> <li>- cows and buffaloes: 2 to 3 times per day for pre-milking disinfection and/or 2 to 3 times per day for post-milking disinfection</li> <li>- sheep and goats: 1 to 2 times per day for pre-milking disinfection and/or 1 to 2 times per day for post-milking disinfection</li> </ul> Contact time: 1 minute for pre-milking & 5 minutes for post-milking Ambient temperature
<b>Category(ies) of users</b>	Professional
<b>Pack sizes and packaging material</b>	1L HDPE Bottle 5L HDPE Jerrican 10L HDPE Jerrican 20L HDPE Jerrican 22L HDPE Jerrican 60L HDPE Drum 220L HDPE Drum 1000L HDPE Container

#### 4.1.1 Use-specific instructions for use

<ul style="list-style-type: none"> <li>- Fill manually the clean and dry 300 ml dipping cup with the 225ml of the ready to use product.</li> <li>- Squeeze three to six times the dip cup reservoir to make the liquid product rise into the 2/3 of the dipping cup reservoir.</li> <li>- Apply by dipping manually on animal's teats on the full length of the teat before or after milking.</li> <li>- For pre-milking application, clean carefully the teats before application of the product. Leave the product for one minute then wipe with a single use paper or a towel.</li> <li>- For post-milking application, leave the product until next milking. Keep the animals standing until the product has dried (at least 5 minutes).</li> <li>- Clean the application equipment regularly with water</li> </ul>
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#### 4.1.2 Use-specific risk mitigation measures

The professional user has to wear chemical goggles and gloves during loading, application by dipping and cleaning of the equipment.
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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

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

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

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**4.2 Use description**

**Use 2 - Use # 2 - Teat disinfection of milkable animals: Pre- and/or post-milking teat disinfection by manual dipping with foam**

<b>Product type</b>	PT03 - Veterinary hygiene (Disinfectants)
<b>Where relevant, an exact description of the authorised use</b>	Non-medical teat desinfection pre- and/or post-milking
<b>Target organism(s) (including development stage)</b>	Scientific name: Common name: Bacteria Development stage:  Scientific name: Common name: Yeasts Development stage:  Scientific name: Common name: Enveloped viruses Development stage:  Scientific name: Common name: Bacteriophages (pre-milking only) Development stage:
<b>Field(s) of use</b>	Indoor  Disinfection of teats of milk producing animals
<b>Application method(s)</b>	Method: Open system: dip treatment Detailed description: Manual dipping with foam before and after milking
<b>Application rate(s) and frequencies</b>	Application Rate: Cows and buffaloes: 3 to 10ml - sheep:1.5 to 5 ml - goats: 2.5 to 6 ml Dilution (%): No dilution. Ready-to-use product Number and timing of application: - cows and buffaloes: 2 to 3 times per day for pre-milking disinfection and/or 2 to 3 times per day for post-milking disinfection - sheep and goats: 1 to 2 times per day for pre-milking disinfection and/or 1 to 2 times per day for post-milking disinfection

	Contact time: 1 minute for pre-milking & 5 minutes for post-milking Ambient temperature
<b>Category(ies) of users</b>	Professional
<b>Pack sizes and packaging material</b>	1L HDPE Bottle 5L HDPE Jerrican 10L HDPE Jerrican 20L HDPE Jerrican 22L HDPE Jerrican 60L HDPE Drum 220L HDPE Drum 1000L HDPE Container

#### 4.2.1 Use-specific instructions for use

- Connect the container to the semi-automated dipping equipment.
- Press the trigger to fill the dipping cup reservoir with the liquid product.
- Apply by dipping manually on animal's teats on the full length of the teat before or after milking.
- For pre-milking application, clean carefully the teats before application of the product. Leave the product for one minute then wipe with a single use paper or a towel.
- For post-milking application, leave the product until next milking. Keep the animals standing until the product has dried (at least 5 minutes).
- Clean the application equipment regularly with water

#### 4.2.2 Use-specific risk mitigation measures

The professional user has to wear chemical goggles and gloves during loading, application by dipping and cleaning of the equipment.

#### 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

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

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

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#### 4.3 Use description

##### Use 3 - Use # 3 - Teat disinfection of milkable animals: Pre- and/or post-milking teat disinfection by semi-automated liquid dipping

<b>Product type</b>	PT03 - Veterinary hygiene (Disinfectants)
<b>Where relevant, an exact description of the authorised use</b>	Non-medical teat desinfection pre- and/or post-milking
<b>Target organism(s) (including development stage)</b>	Scientific name: Common name: Bacteria Development stage:  Scientific name: Common name: Yeasts Development stage:  Scientific name: Common name: Enveloped viruses Development stage:  Scientific name: Common name: Bacteriophages (pre-milking only) Development stage:
<b>Field(s) of use</b>	Indoor  Disinfection of teats of milk producing animals
<b>Application method(s)</b>	Method: Open system: dip treatment Detailed description: Semi-automated liquid dipping before and after milking
<b>Application rate(s) and frequencies</b>	Application Rate: Cows and buffaloes: 3 to 10ml - sheep:1.5 to 5 ml - goats: 2.5 to 6 ml Dilution (%): No dilution. Ready-to-use product Number and timing of application:  Application rate: - cows and buffaloes: 3 to 10ml - sheep: 1.5 to 5 ml - goats: 2.5 to 6 ml Frequency: - cows and buffaloes: 2 to 3 times per day for pre-milking disinfection and/or 2 to 3 times per day for post-milking disinfection - sheep and goats: 1 to 2 times per day for pre-milking disinfection and/or 1 to 2 times per day for post-milking disinfection Contact time: 1 minute for pre-milking & 5 minutes for post-milking Ambient temperature

**Category(ies) of users**

Professional

**Pack sizes and packaging material**

1L HDPE Bottle  
5L HDPE Jerrican  
10L HDPE Jerrican  
20L HDPE Jerrican  
22L HDPE Jerrican  
60L HDPE Drum  
220L HDPE Drum  
1000L HDPE Container

**4.3.1 Use-specific instructions for use**

- Connect the container to the semi-automated dipping equipment.
- Press the trigger to fill the dipping cup reservoir with the liquid product.
  
- Apply by dipping manually on animal's teats on the full length of the teat before or after milking.
- For pre-milking application, clean carefully the teats before application of the product. Leave the product for one minute then wipe with a single use paper or a towel.
- For post-milking application, leave the product until next milking. Keep the animals standing until the product has dried (at least 5 minutes).

**4.3.2 Use-specific risk mitigation measures**

The professional user has to wear chemical goggles and gloves during loading, application by dipping and cleaning of the equipment.

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

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

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

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#### 4.4 Use description

##### Use 4 - Use # 4 - Teat disinfection of milkable animals: Pre- and/or post-milking teat disinfection by semi-automated dipping with foam

<b>Product type</b>	PT03 - Veterinary hygiene (Disinfectants)
<b>Where relevant, an exact description of the authorised use</b>	Non-medical teat disinfection
<b>Target organism(s) (including development stage)</b>	Scientific name: Common name: Bacteria Development stage:  Scientific name: Common name: Yeasts Development stage:  Scientific name: Common name: Enveloped viruses Development stage:  Scientific name: Common name: Bacteriophages (pre-milking only) Development stage:
<b>Field(s) of use</b>	Indoor  Disinfection of teats of milk producing animals
<b>Application method(s)</b>	Method: Open system: dip treatment Detailed description: Semi-automated dipping with foam before and after milking
<b>Application rate(s) and frequencies</b>	Application Rate: Cows and buffaloes: 3 to 10ml - sheep:1.5 to 5 ml - goats: 2.5 to 6 ml Dilution (%): No dilution. Ready-to-use product Number and timing of application:  Application rate: - cows and buffaloes: 3 to 10ml - sheep: 1.5 to 5 ml - goats: 2.5 to 6 ml Frequency: - cows and buffaloes: 2 to 3 times per day for pre-milking disinfection and/or 2 to 3 times per day for post-milking disinfection - sheep and goats: 1 to 2 times per day for pre-milking disinfection and/or 1 to 2 times per day for post-milking disinfection  Contact time: 1 minute for pre-milking & 5 minutes for post-milking Ambient temperature
<b>Category(ies) of users</b>	Professional
<b>Pack sizes and packaging material</b>	1L HDPE Bottle 5L HDPE Jerrican 10L HDPE Jerrican 20L HDPE Jerrican

22L HDPE Jerrican  
60L HDPE Drum  
220L HDPE Drum  
1000L HDPE Container

#### 4.4.1 Use-specific instructions for use

- Connect the container to the semi-automated dipping equipment.
- Press the trigger to fill the dipping cup reservoir with the foaming product.
- Apply by dipping manually on animal's teats on the full length of the teat before or after milking.
- For pre-milking application, clean carefully the teats before application of the product. Leave the product for one minute then wipe with a single use paper or a towel.
- For post-milking application, leave the product until next milking. Keep the animals standing until the product has dried (at least 5 minutes).

#### 4.4.2 Use-specific risk mitigation measures

The professional user has to wear chemical goggles and gloves during loading, application by dipping and cleaning of the equipment.

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

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

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

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#### 4.5 Use description

**Use 5 - Use # 5 - Teat disinfection of milkable animals: Pre- and/or post-milking teat disinfection by manual spraying**

**Product type**

PT03 - Veterinary hygiene (Disinfectants)

**Where relevant, an exact description of the authorised use**

Non-medical teat desinfection

**Target organism(s) (including development stage)**

Scientific name:  
Common name: Bacteria  
Development stage:

Scientific name:  
Common name: Yeasts  
Development stage:

Scientific name:  
Common name: Enveloped viruses  
Development stage:

Scientific name:  
Common name: Bacteriophages (pre-milking only)  
Development stage:

**Field(s) of use**

Indoor

Disinfection of teats of milk producing animals

**Application method(s)**

Method: Spraying  
Detailed description:  
Manual spraying before and after milking

**Application rate(s) and frequencies**

Application Rate: - cows and buffaloes: 6 to 20ml - sheep: 3 to 10 ml - goats: 5 to 12 ml  
Dilution (%): No dilution. Ready-to-use product  
Number and timing of application:

- cows and buffaloes: 2 to 3 times per day for pre-milking disinfection and/or 2 to 3 times per day for post-milking disinfection
- sheep and goats: 1 to 2 times per day for pre-milking disinfection and/or 1 to 2 times per day for post-milking disinfection

Contact time: 1 minute for pre-milking & 5 minutes for post-milking  
Ambient temperature

**Category(ies) of users**

Professional

**Pack sizes and packaging material**

1L HDPE Bottle  
5L HDPE Jerrican  
10L HDPE Jerrican  
20L HDPE Jerrican  
22L HDPE Jerrican  
60L HDPE Drum  
220L HDPE Drum  
1000L HDPE Container

#### 4.5.1 Use-specific instructions for use

- Fill manually the reservoir tank of the adapted trigger spray in good condition.
- Apply on animal's teats on the full length of the teat before or after milking by pressing the trigger spray.
- For pre-milking application, clean carefully the teats before application of the product. Leave the product for one minute then wipe with a single use paper or a towel.
- For post-milking application, leave the product until next milking. Keep the animals standing until the product has dried (at least 5 minutes).
- Clean the application equipment regularly with water

#### 4.5.2 Use-specific risk mitigation measures

- The professional user has to wear chemical goggles during loading, application by spraying and cleaning of the equipment.
- The professional bystander has to wear the same PPE than the professional user

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

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

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

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#### 4.6 Use description

**Use 6 - Use # 6 - Teat disinfection of milkable animals: Pre- and/or post-milking teat disinfection by semi-automated spraying**

**Product type**

PT03 - Veterinary hygiene (Disinfectants)

**Where relevant, an exact description of the authorised use**

Non-medical teat disinfection

**Target organism(s) (including development stage)**

Scientific name:  
Common name: Bacteria  
Development stage:

Scientific name:  
Common name: Yeasts  
Development stage:

Scientific name:  
Common name: Enveloped viruses  
Development stage:

Scientific name:  
Common name: Bacteriophages (pre-milking only)  
Development stage:

**Field(s) of use**

Indoor

Disinfection of teats of milk producing animals

**Application method(s)**

Method: Spraying  
Detailed description:  
Semi-automated spraying before and/or after milking

**Application rate(s) and frequencies**

Application Rate: - cows and buffaloes: 6 to 20ml - sheep: 3 to 10 ml - goats: 5 to 12 ml  
Dilution (%): No dilution. Ready-to-use product  
Number and timing of application:

- cows and buffaloes: 2 to 3 times per day for pre-milking disinfection and/or 2 to 3 times per day for post-milking disinfection
  - sheep and goats: 1 to 2 times per day for pre-milking disinfection and/or 1 to 2 times per day for post-milking disinfection
- Contact time: 1 minute for pre-milking & 5 minutes for post-milking  
Ambient temperature

**Category(ies) of users**

Professional

**Pack sizes and packaging material**

1L HDPE Bottle  
5L HDPE Jerrican  
10L HDPE Jerrican  
20L HDPE Jerrican  
22L HDPE Jerrican  
60L HDPE Drum  
220L HDPE Drum  
1000L HDPE Container

#### 4.6.1 Use-specific instructions for use

- Connect the container to the semi-automated sprayer equipment.
- Apply on animal's teats on the full length of the teat before or after milking by pressing the trigger spray.
- For pre-milking application, clean carefully the teats before application of the product. Leave the product for one minute then wipe with a single use paper or a towel.
- For post-milking application, leave the product until next milking. Keep the animals standing until the product has dried (at least 5 minutes).
- Clean the application equipment regularly with water

#### 4.6.2 Use-specific risk mitigation measures

- The professional user has to wear chemical goggles and gloves during loading, application by spraying and cleaning of the equipment.
- The professional bystander has to wear the same PPE than the professional user

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

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

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

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#### 4.7 Use description

**Use 7 - Use # 7 - Teat disinfection of milkable animals: Pre- and/or post-milking teat disinfection by automated spraying via a spray robot**

**Product type**

PT03 - Veterinary hygiene (Disinfectants)



**Where relevant, an exact description of the authorised use**

Non-medical teat disinfection

**Target organism(s) (including development stage)**

Scientific name:  
Common name: Bacteria  
Development stage:

Scientific name:  
Common name: Yeasts  
Development stage:

Scientific name:  
Common name: Enveloped viruses  
Development stage:

Scientific name:  
Common name: Bacteriophages (pre-milking only)  
Development stage:

**Field(s) of use**

Indoor

Disinfection of teats of milk producing animals

**Application method(s)**

Method: Spraying  
Detailed description:  
Automated spraying via a spray robot before and/or after milking

**Application rate(s) and frequencies**

Application Rate: - cows and buffaloes: 6 to 20ml - sheep: 3 to 10 ml - goats: 5 to 12 ml  
Dilution (%): No dilution. Ready-to-use product  
Number and timing of application:

- cows and buffaloes: 2 to 3 times per day for pre-milking disinfection and/or 2 to 3 times per day for post-milking disinfection
  - sheep and goats: 1 to 2 times per day for pre-milking disinfection and/or 1 to 2 times per day for post-milking disinfection
- Contact time: 1 minute for pre-milking & 5 minutes for post-milking  
Ambient temperature

**Category(ies) of users**

Professional

**Pack sizes and packaging material**

1L HDPE Bottle  
5L HDPE Jerrican  
10L HDPE Jerrican  
20L HDPE Jerrican  
22L HDPE Jerrican  
60L HDPE Drum  
220L HDPE Drum  
1000L HDPE Container

#### 4.7.1 Use-specific instructions for use

- Connect the container to the spray robot equipment.
- Automatic spraying of the liquid product on animal's teats on the full length of the teat before or after milking.
- For pre-milking application, clean carefully the teats before application of the product. Leave the product for one minute then wipe with a single use paper or a towel.
- For post-milking application, leave the product until next milking. Keep the animals standing until the product has dried (at least 5 minutes).
- Clean the application equipment regularly with water.

#### 4.7.2 Use-specific risk mitigation measures

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

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

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

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#### 4.8 Use description

**Use 8 - Use # 8 - Teat disinfection of milkable animals: Pre- and/or post-milking teat disinfection by automated spraying via a robotic milking**

**Product type**

PT03 - Veterinary hygiene (Disinfectants)

**Where relevant, an exact description of the authorised use**

Non-medical teat disinfection

**Target organism(s) (including development stage)**

Scientific name:  
Common name: Bacteria  
Development stage:

Scientific name:  
Common name: Yeasts  
Development stage:

Scientific name:  
Common name: Enveloped viruses

	Development stage: Scientific name: Common name: Bacteriophages (pre-milking only) Development stage:
<b>Field(s) of use</b>	Indoor Disinfection of teats of milk producing animals
<b>Application method(s)</b>	Method: Spraying Detailed description: Automated spraying via a robotic milking device (milking machine) before and/or after milking
<b>Application rate(s) and frequencies</b>	Application Rate: - cows and buffaloes: 6 to 20ml - sheep: 3 to 10 ml - goats: 5 to 12 ml Dilution (%): No dilution. Ready-to-use product Number and timing of application: - cows and buffaloes: 2 to 3 times per day for pre-milking disinfection and/or 2 to 3 times per day for post-milking disinfection - sheep and goats: 1 to 2 times per day for pre-milking disinfection and/or 1 to 2 times per day for post-milking disinfection
<b>Category(ies) of users</b>	Professional
<b>Pack sizes and packaging material</b>	1L HDPE Bottle 5L HDPE Jerrican 10L HDPE Jerrican 20L HDPE Jerrican 22L HDPE Jerrican 60L HDPE Drum 220L HDPE Drum 1000L HDPE Container

#### 4.8.1 Use-specific instructions for use

<ul style="list-style-type: none"> <li>• Fill the tank of the automated robotic milking device.</li> <li>• Automatic spraying of the liquid product on animal's teats on the full length of the teat before or after milking.</li> <li>• For pre-milking application, clean carefully the teats before application of the product. Set up the robotic milking device to wash the teats one minute after the application then wipe with a single use paper or a towel.</li> <li>• For post-milking application, leave the product until next milking. Keep the animals standing until the product has dried (at least 5 minutes).</li> <li>• Clean the application equipment regularly with water.</li> </ul>
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#### 4.8.2 Use-specific risk mitigation measures

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

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

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

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**5. General directions for use**

**5.1. Instructions for use**

- Comply with the instructions for use.
- Respect the conditions of use of the product (concentration, contact time, temperature, pH, etc.).
- Inform the registration holder if the treatment is ineffective.
- The product must be brought to a temperature above 20° before use.

**5.2. Risk mitigation measures**

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

- IF INHALED: If symptoms occur 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.
- 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/ambulance for medical assistance. Information to Healthcare personnel/doctor:
  - The eyes should also be rinsed repeatedly on the way to the doctor if eye exposure to alkaline chemicals (pH>11), amines and acids like acetic acid, formic acid or propionic acid.

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

- Do not discharge unused product on the ground, into water courses, into pipes (sink, toilets...) nor down the drains.
- Dispose of unused product, its packaging and all other waste in accordance with local regulations.

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

- Do no store above 40°C.
- Protect from frost.
- Shelf-life : 2 years

#### 6. Other information