

Summary of product characteristics for a biocidal product

Product name: DeLaval PeraDis

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

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PT03 - Veterinary hygiene (Disinfectants)

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Authorisation number: 3533-1

R4BP 3 asset reference number: BG-0032169-0000

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Administrative information

1.1. Trade names of the product

DeLaval PeraDis

1.2. Authorisation holder

Name and address of the authorisation holder	Name	DeLaval NV
	Address	Industriepark-Drongen 10 9031 Gent Belgium
Authorisation number	3533-1	
R4BP 3 asset reference number	BG-0032169-0000	
Date of the authorisation	19/12/2023	
Expiry date of the authorisation	04/11/2032	

1.3. Manufacturer(s) of the biocidal products

Name of the manufacturer	Christeyns NV
Address of the manufacturer	Afrikalaan 182 9000 Gent Belgium
Location of manufacturing sites	Afrikalaan 182 9000 Gent Belgium

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

Active substance	1340 - Peracetic acid
Name of the manufacturer	Christeyns NV
Address of the manufacturer	Afrikalaan 182 9000 Gent Belgium
Location of manufacturing sites	Afrikalaan 182 9000 Gent Belgium

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 (%)
Peracetic acid		Active Substance	79-21-0	201-186-8	4,9
Hydrogen peroxide	Hydrogen peroxide	Non-active substance	7722-84-1	231-765-0	23
Acetic acid	Acetic acid	Non-active substance	64-19-7	200-580-7	8

2.2. Type of formulation

SL - Soluble concentrate

3. Hazard and precautionary statements

Hazard statements	<p>Heating may cause a fire.</p> <p>May be corrosive to metals.</p> <p>Harmful if swallowed.Harmful if inhaled.</p> <p>Causes severe skin burns and eye damage.</p> <p>May cause respiratory irritation.</p> <p>Very toxic to aquatic life with long lasting effects.</p> <p>Corrosive to the respiratory tract.</p>
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Precautionary statements

Keep out of reach of children.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. - No smoking.

Keep only in original packaging.

Do not breathe dust.

Do not breathe fume.

Do not breathe gas.

Do not breathe mist.

Do not breathe vapours.

Do not breathe spray.

Wear protective clothing.

Wear protective gloves.

Wear eye protection.

Wear face protection.

[In case of inadequate ventilation] wear respiratory 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 ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with shower.

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 or doctor/physician.

Store in a well-ventilated place. Keep cool.

Dispose of contents to in accordance with local regulations.

Dispose of container to in accordance with local regulations.

4. Authorised use(s)

4.1 Use description

Use 1 - Disinfection of milk tanks/milking machines

Product type

PT04 - Food and feed area (Disinfectants)

Where relevant, an exact description of the authorised use	Disinfection by "cleaning in place with circulation" of milking machines and milk cooling tanks.												
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>Disinfection by "cleaning in place with circulation" of milking machines and milk cooling tanks.</p>												
Application method(s)	<p>Method: Closed system Detailed description: Cleaning in place with circulation.</p>												
Application rate(s) and frequencies	<p>Application Rate: 30 mL per 10L of solution Dilution (%): 0.3 Number and timing of application: The time between applications will depend on the frequency of cleaning of the milking machines and cooling tanks (maximal 2x/day, after each milking).</p>												
Category(ies) of users	Professional												
Pack sizes and packaging material	<table border="0"> <tr> <td>Can</td> <td>Plastic: HDPE</td> <td>10L</td> </tr> <tr> <td>Can</td> <td>Plastic: HDPE</td> <td>20L</td> </tr> <tr> <td>Can</td> <td>Plastic: HDPE</td> <td>60L</td> </tr> <tr> <td>Drum</td> <td>Plastic: HDPE</td> <td>200L</td> </tr> </table>	Can	Plastic: HDPE	10L	Can	Plastic: HDPE	20L	Can	Plastic: HDPE	60L	Drum	Plastic: HDPE	200L
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Drum	Plastic: HDPE	200L											

4.1.1 Use-specific instructions for use

1. Remove milk from installation
2. Clean installation before disinfection. Insufficient cleaning before disinfection decreases efficacy.
3. Apply end solution of DeLaval PeraDis according to dosage recommendation (30 mL / 10 L).
4. Let the system circulate this solution during 5 minutes.
5. Remove the solution and post rinse with clean water after disinfection before re-using the equipment.

4.1.2 Use-specific risk mitigation measures

No use specific measures, see section 5.2.

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

No use specific measures, see section 5.3.

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

No use specific measures, see section 5.4.

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

No use specific conditions, see section 5.5.

4.2 Use description

Use 2 - Drinking trough disinfection

Product type

PT04 - Food and feed area (Disinfectants)

Where relevant, an exact description of the authorised use

Disinfection of drinking troughs of cattle by wiping/spraying.

Target organism(s) (including development stage)

Scientific name:
Common name: Bacteria
Development stage:

Scientific name:
Common name: Yeasts
Development stage:

Scientific name: Prototheca zopfii
Common name: Algae
Development stage:

Field(s) of use

Indoor

Disinfection of drinking troughs of cattle by wiping/spraying.

Application method(s)

Method: Spraying
Detailed description:
Hard surface disinfection by spraying.

	<p>Method: wiping/brushing Detailed description: Hard surface disinfection by wiping/brushing.</p>												
<p>Application rate(s) and frequencies</p>	<p>Application Rate: 40 ml / 10 L of solution Dilution (%): 0.4 Number and timing of application: The time between applications will depend on the frequency of cleaning of the drinking troughs, which is assumed to be maximal 1x/month.</p> <p>Application Rate: 40 mL/ 10L of solution Dilution (%): 0.4 Number and timing of application: The time between applications will depend on the frequency of cleaning of the drinking troughs, which is assumed to be maximal 1x/month.</p>												
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<p>Pack sizes and packaging material</p>	<table border="0"> <tr> <td>Can</td> <td>Plastic: HDPE</td> <td>10L</td> </tr> <tr> <td>Can</td> <td>Plastic: HDPE</td> <td>20L</td> </tr> <tr> <td>Can</td> <td>Plastic: HDPE</td> <td>60L</td> </tr> <tr> <td>Drum</td> <td>Plastic: HDPE</td> <td>200L</td> </tr> </table>	Can	Plastic: HDPE	10L	Can	Plastic: HDPE	20L	Can	Plastic: HDPE	60L	Drum	Plastic: HDPE	200L
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Can	Plastic: HDPE	20L											
Can	Plastic: HDPE	60L											
Drum	Plastic: HDPE	200L											

4.2.1 Use-specific instructions for use

1. Clean all surfaces to be disinfected. Insufficient cleaning before disinfection decreases efficacy. 2. After cleaning, rinse with water. 3. Prepare end solution of DeLaval PeraDis according to dosage recommendation (40 ml / 10L). Apply this solution on the surfaces using a sponge, brush or spraying equipment. Respect a contact time of 5 minutes. 4. Post rinse with clean water after disinfection before re-using the equipment.

4.2.2 Use-specific risk mitigation measures

No use specific measures, see section 5.2.

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

No use specific measures, see section 5.3.

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

No use specific measures, see section 5.4.

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

No use specific conditions, see section 5.5.

4.3 Use description

Use 3 - General surface disinfection

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	Hard surface disinfection (Outside of milking tanks, stable floors & walls, animal transport vehicles,...), by wiping/spraying.
Target organism(s) (including development stage)	Scientific name: Common name: Bacteria Development stage: Scientific name: Common name: Yeasts Development stage: Scientific name: Common name: Viruses (including FMDV) Development stage:
Field(s) of use	Indoor Hard surface disinfection (Outside of milking tanks, stable floors & walls, animal transport vehicles,...), by wiping/spraying.
Application method(s)	Method: Spraying Detailed description: Hard surface disinfection by spraying. Method: wiping/brushing Detailed description: Hard surface disinfection by wiping/brushing.
Application rate(s) and frequencies	Application Rate: 40 ml / 10 L of solution Dilution (%): 0.4 Number and timing of application: The product is used only sporadically for disinfection of general surfaces. The areas potentially disinfected the most regularly would be animal housings (about 2x/year) and transport vehicles for animal transport (estimated 10x/year).

Application Rate: 40 mL / 10L of solution
Dilution (%): 0.4
Number and timing of application:
The product is used only sporadically for disinfection of general surfaces. The areas potentially disinfected the most regularly would be animal housings (about 2x/year) and transport vehicles for animal transport (estimated 10x/year).

Category(ies) of users

Professional

Pack sizes and packaging material

Can	Plastic: HDPE	10L
Can	Plastic: HDPE	20L
Can	Plastic: HDPE	60L
Drum	Plastic: HDPE	200L

4.3.1 Use-specific instructions for use

1. Clean all surfaces to be disinfected. Insufficient cleaning before disinfection decreases efficacy. 2. After cleaning, rinse with water. 3. Prepare end solution of DeLaval PeraDis according to dosage recommendation (40 ml / 10L). Apply this solution on the surfaces using a sponge, brush or spraying equipment. Respect a contact time of 5 minutes. 4. Post rinse with clean water after disinfection before re-using the equipment.

4.3.2 Use-specific risk mitigation measures

No use specific measures, see section 5.2.

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

No use specific measures, see section 5.3.

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

No use specific measures, see section 5.4.

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

No use specific conditions, see section 5.5.

4.4 Use description

Use 4 - Disinfection of udder towels

Product type	PT03 - Veterinary hygiene (Disinfectants)
Where relevant, an exact description of the authorised use	After use during milking routine, udder towels are immersed in disinfecting solution.
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 After use during milking routine, udder towels are immersed in disinfecting solution.
Application method(s)	Method: Open system: immersion Detailed description: Immersion in buckets.
Application rate(s) and frequencies	Application Rate: 50 ml per 10 L solution Dilution (%): 0.5 Number and timing of application: After each milking (usually 2x/day).
Category(ies) of users	Professional
Pack sizes and packaging material	Can Plastic: HDPE 10L Can Plastic: HDPE 20L Can Plastic: HDPE 60L Drum Plastic: HDPE 200L

4.4.1 Use-specific instructions for use

1. Prepare end solution of DeLaval PeraDis according to dosage recommendation (50 mL / 10L).
2. Use a minimum of 20L per 50 towels.
3. It is recommended on the label to wear gloves during milking routine, to protect the skin and for hygienic milk collection.
4. Immerse towels in solution after milking. Respect contact time of 5 min.
5. After disinfection, towels should be washed before reuse.

4.4.2 Use-specific risk mitigation measures

No use specific measures, see section 5.2.

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

No use specific measures, see section 5.3.

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

No use specific measures, see section 5.4.

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

No use specific conditions, see section 5.5.

4.5 Use description

Use 5 - Cluster disinfection

Product type

PT03 - Veterinary hygiene (Disinfectants)

Where relevant, an exact description of the authorised use

Immerse clusters in disinfectant solution after milking. Alternatively disinfectant solution is flushed into the liners after milking.

Target organism(s) (including development stage)

Scientific name:
Common name: Bacteria
Development stage:

Scientific name:
Common name: Yeasts
Development stage:

Scientific name: Prototheca zopfii
Common name: Algae
Development stage:

Field(s) of use

Indoor

Immerse clusters in disinfectant solution after milking. Alternatively disinfectant solution is flushed into the liners after milking.

Application method(s)

Method: Open system: immersion
Detailed description:
Immersion in buckets.

<p>Application rate(s) and frequencies</p>	<p>Method: flushing (injection) Detailed description: Injection of the solution into the liners (flushing).</p> <hr/> <p>Application Rate: 150 ml per 10 L solution Dilution (%): 1.5 Number and timing of application: After each milking (usually 2x/day).</p> <p>Application Rate: 150 ml per 10 L solution Dilution (%): 1.5 Number and timing of application: After each milking (usually 2x/day).</p>												
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Can	Plastic: HDPE	20L											
Can	Plastic: HDPE	60L											
Drum	Plastic: HDPE	200L											

4.5.1 Use-specific instructions for use

1. Prepare end solution of DeLaval PeraDis according to dosage recommendation (150 ml / 10L). Foresee a minimum of 1 L solution per cluster to be immersed.
2. It is recommended to wear gloves during milking routine, to protect the skin and for hygienic milk collection.
3. It is advised to rinse clusters after milking with water before disinfection.
4. Next, immerse clusters in disinfectant solution. Contact time 30 seconds.
5. As an alternative disinfectant solution can be flushed into the liner.
6. After disinfection clusters are rinsed with water before reuse.

4.5.2 Use-specific risk mitigation measures

No use specific measures, see section 5.2.

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

No use specific measures, see section 5.3.

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

No use specific measures, see section 5.4.

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

No use specific conditions, see section 5.5.

4.6 Use description

Use 6 - Footwear disinfection

Product type

PT03 - Veterinary hygiene (Disinfectants)

Where relevant, an exact description of the authorised use

Immersion in bootbath (walkthrough).

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

Immersion in bootbath (walkthrough).

Application method(s)

Method: Open system: immersion
Detailed description:
Bootbath or -mat for walkthrough after spraying the boots with water hose.

Application rate(s) and frequencies

Application Rate: 100 ml per 10L of solution
Dilution (%): 1
Number and timing of application:
Daily, at each entry of the milking parlour.

Category(ies) of users

Professional

Pack sizes and packaging material

Can	Plastic: HDPE	10L
Can	Plastic: HDPE	20L
Can	Plastic: HDPE	60L
Drum	Plastic: HDPE	200L



4.6.1 Use-specific instructions for use

1. Prepare solution of DeLaval PeraDis according to dosage recommendation (100 mL / 10 L).
2. Place bootbath or -mat with disinfection solution at the entry of the milking parlour.
3. It is advised to spray boots with water hose before walking through disinfection solution.
4. Replace bootbath after 2 days.

4.6.2 Use-specific risk mitigation measures

No use specific measures, see section 5.2.

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

No use specific measures, see section 5.3.

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

No use specific measures, see section 5.4.

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

No use specific conditions, see section 5.5.

5. General directions for use

5.1. Instructions for use

No General Directions for Use. See Section 4 for each specific use.

5.2. Risk mitigation measures

To prevent malfunctioning of an individual wastewater treatment plant, possible residues containing the product must be discharged to the manure storage or to the municipal sewer.

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

DIRECT/INDIRECT EFFECTS

According to our experience and to the information provided to us, the product does not have any harmful effects if it is used and handled as specified.

FIRST AID INSTRUCTIONS

General Advice: Immediate medical attention is required. Show the safety data sheet to the doctor in attendance.

Eye contact: Immediate medical attention is required. Rinse immediately with plenty of water, also under east 15 minutes. Keep eye wide open while rinsing. Get medical attention immediately. Call a poison control centre or doctor for further treatment advice. Medical aftercare recommended.

Skin contact: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Get medical attention immediately. Do not use solvents or thinners.

Ingestion: Immediate medical attention is required. Remove from exposure, lie down. Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting. Never give anything by mouth to an unconscious person.

Call a physician or Poison Control Centre immediately.

Inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician or Poison Control Centre immediately. If unconscious place into recovery position.

EMERGENCY METHODS TO PROTECT THE ENVIRONMENT

Do not allow material to contaminate ground water system. Do not contaminate surface water. Should not be released into the environment.

Methods and materials for containment and clean-up: Do not absorb in sawdust or other combustible materials. After cleaning, flush away traces with water.

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

Waste from residues, unused product and its packaging should be disposed of in accordance with local regulations. Preliminary treatment of water is not necessary.

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

Precautionary phrases:

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P234 - Keep only in original container.

P403 + P235 - Store in a well-ventilated place. Keep cool

Storage:

Store upright in the tightly closed original container. Protect from direct sunlight, high temperatures (max 30°C) and frost.

Shelflife: 1 year

6. Other information

Full composition details are considered confidential and can be found in the IUCLID file and confidential annex to the Product assesment report.

