

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:

R4BP 3 asset reference number: NL-0019747-0000

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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		
R4BP 3 asset reference number	NL-0019747-0000	
Date of the authorisation	04/11/2022	
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
Sulfuric acid	Sulfuric acid	Non-active substance	7664-93-9	231-639-5	0,48

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>Very toxic to aquatic life with long lasting effects.</p> <p>Corrosive to the respiratory tract.</p>
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Precautionary statements

<p>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. - No smoking.</p> <p>Keep only in original packaging.</p> <p>Do not breathe vapours.</p> <p>Do not breathe spray.</p> <p>Do no eat, drink or smoke when using this product.</p> <p>Use only outdoors or in a well-ventilated area.</p> <p>Avoid release to the environment.</p> <p>Wear protective clothing.</p> <p>Wear protective gloves.</p> <p>Wear eye protection.</p> <p>Wear face protection.</p> <p>IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</p> <p>Immediately call a POISON CENTER or doctor/physician.</p> <p>IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.</p> <p>Immediately call a POISON CENTER or doctor/physician..</p> <p>IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with shower.</p> <p>Immediately call a POISON CENTER or doctor/physician..</p> <p>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>Immediately call a POISON CENTER or doctor/physician.</p> <p>IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>Wash contaminated clothing before reuse.</p> <p>Collect spillage.</p> <p>Store in a well-ventilated place. Keep cool.</p> <p>Store locked up.</p> <p>Store at temperatures not exceeding 30 °C/86 °F.</p> <p>Dispose of container to in accordance with local regulations.</p> <p>Dispose of contents to in accordance with local regulations.</p>

4. Authorised use(s)

4.1 Use description

Use 1 - Disinfection of cleaned surfaces using CIP

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 Disinfection of cleaned surfaces by CIP (e.g. disinfection of milking machines and milk cooling tanks).
Application method(s)	Method: Cleaning in place with circulation. Detailed description: Contact time: 5 minutes
Application rate(s) and frequencies	Application Rate: 30 mL per 10L of solution Dilution (%): 0.3% product v/v 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). Use temperature 20°C
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 All packaging is non transparent

4.1.1 Use-specific instructions for use

1. Remove milk from installation
2. Clean installation before disinfection.
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

Rinse treated surfaces/equipment/pipes/machinery with drinking water after application.
For general instructions 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, for general instructions 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, for general instructions 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, for general instructions 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

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Target organism(s) (including development stage)

Scientific name:
Common name: Bacteria
Development stage:

Scientific name:
Common name: Yeasts
Development stage:

Field(s) of use

Application method(s)	<p>Indoor</p> <p>Disinfection of drinking troughs, hard non-porous surfaces, of dairy cattle.</p> <p>Method: Wiping/Spraying Detailed description: Contact time: 5 minutes</p>												
Application rate(s) and frequencies	<p>Application Rate: 200 ml/m² Dilution (%): 0.4% product v/v 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>Use temperature 10°C</p>												
Category(ies) of users	<p>Professional</p>												
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> <p>All packaging is non transparent</p>	Can	Plastic: HDPE	10L	Can	Plastic: HDPE	20L	Can	Plastic: HDPE	60L	Drum	Plastic: HDPE	200L
Can	Plastic: HDPE	10L											
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.
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 low-pressure spraying equipment (max. 3 bar). 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

During manual mixing and loading, use of respiratory protective equipment (RPE) providing a protection factor of 20 is mandatory. During application, use of respiratory protective equipment (RPE) providing a protection factor of 4 is mandatory. At least reusable half mask with gas/vapour filter is required (filter type (code letter, colour) to be specified by the authorisation holder within the product information).
Rinse treated surfaces/equipment/pipes/machinery with drinking water after application.
Do not use near livestock
For general instructions 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, for general instructions 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, for general instructions 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, for general instructions 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	-
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 Development stage:
Field(s) of use	Indoor Hard non-porous surface disinfection (Outside of milking tanks, stable floors & walls, animal transport vehicles,...) on dairy farms.
Application method(s)	Method: Wiping/Spraying Detailed description: Contact time: 5 minutes
Application rate(s) and frequencies	Application Rate: 200 ml/m ² Dilution (%): 0.4% product v/v 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 (50m ²) (estimated 10x/year). Use temperature 10°C
Category(ies) of users	Professional

Pack sizes and packaging material

Can	Plastic: HDPE	10LCan	Plastic: HDPE	20LCan	Plastic:
HDPE	60LDrum	Plastic: HDPE	200L		

All packaging is non transparent

4.3.1 Use-specific instructions for use

1. Clean all surfaces to be disinfected.
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 low-pressure spraying equipment (max 3 bar). 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

During manual mixing and loading , use of respiratory protective equipment (RPE) providing a protection factor of 20 is mandatory. During application, use of respiratory protective equipment (RPE) providing a protection factor of 4 is mandatory. At least a reusable half mask with gas/vapour filter is required (filter type (code letter, colour)) to be specified by the authorisation holder within the product information).
Rinse treated surfaces/equipment/pipes/machinery with drinking water after application.
Do not use near livestock
For general instructions 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, for general instructions 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, for general instructions 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, for general instructions 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	-												
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 of udder towels.</p>												
Application method(s)	<p>Method: Immersion in buckets Detailed description: Contact time: 5 minutes</p>												
Application rate(s) and frequencies	<p>Application Rate: 50 ml per 10 L solution Dilution (%): 0.5% product v/v Number and timing of application: After each milking (usually 2x/day). Use temperature 10°C</p>												
Category(ies) of users	Professional												
Pack sizes and packaging material	<table> <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> <p>All packaging is non transparent.</p>	Can	Plastic: HDPE	10L	Can	Plastic: HDPE	20L	Can	Plastic: HDPE	60L	Drum	Plastic: HDPE	200L
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. Clean udders with the towels (one towel per cow) and then immerse towels in solution. Respect contact time of the towels with the disinfectant solution of 5 min.
5. After disinfection, discard the solution. Towels should be washed before reuse.

4.4.2 Use-specific risk mitigation measures

During manual mixing and loading , use of respiratory protective equipment (RPE) providing a protection factor of 20 is mandatory. During application, use of respiratory protective equipment (RPE) providing a protection factor of 4 is mandatory. At least a reusable half mask with gas/vapour filter is required (filter type (code letter, colour)) to be specified by the authorisation holder within the product information).
Do not use near livestock
For general instructions 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, for general instructions 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, for general instructions 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, for general instructions 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

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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

Milking cluster disinfection, hard non-porous surfaces.

Application method(s)

Method: Immersion in buckets
Detailed description:
Contact time: 30 seconds

Method: Injection of the solution (flushing).
Detailed description:
Contact time: 30 seconds

Application rate(s) and frequencies

Application Rate: 150 ml per 10 L solution
Dilution (%): 1.5% product v/v
Number and timing of application:
After each milking (usually 2x/day).
Use temperature 10°C

Application Rate: 150 ml per 10 L solution
Dilution (%): 1.5% product v/v
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

All packaging is non transparent.

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 clean water before reuse.

4.5.2 Use-specific risk mitigation measures

During manual mixing and loading , use of respiratory protective equipment (RPE) providing a protection factor of 20 is mandatory. During application, use of respiratory protective equipment (RPE) providing a protection factor of 10 is mandatory. At least a reusable half mask with gas/vapour filter is required (filter type (code letter, colour)) to be specified by the authorisation holder within the product information).
Rinse treated surfaces/equipment/pipes/machinery with drinking water after application.
For general instructions 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, for general instructions 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, for general instructions 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, for general instructions 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	-
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 Footwear disinfection, hard non-porous surfaces.
Application method(s)	Method: Bootbath or -mat for walkthrough after spraying the boots with water hose Detailed description: Contact time: 1 minute
Application rate(s) and frequencies	Application Rate: 100 ml per 10L of solution Dilution (%): 1% product v/v Number and timing of application: Daily, at each entry of the milking parlour. Use temperature 10°C
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 All packaging is non transparent.

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. Clean the boots before walking through disinfection solution. Contact time 1 minute
4. Replace bootbath after 10 passages or after 2 days (even if the number of passages is lower than 10).

4.6.2 Use-specific risk mitigation measures

During manual mixing and loading, use of respiratory protective equipment (RPE) providing a protection factor of 20 is mandatory. At least a reusable half mask with gas/vapour filter is required (filter type (code letter, colour)) to be specified by the authorisation holder within the product information).
Do not use near livestock
For general instructions 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, for general instructions 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, for general instructions 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, for general instructions see section 5.5.

5. General directions for use

5.1. Instructions for use

There are no General Directions for Use. See the use specific instructions for use.

5.2. Risk mitigation measures

Wear protective chemical resistant gloves, coverall and eye protection during product handling phase (protective material to be specified by the authorisation holder within the product information).

Unprotected bystanders should not be present during application.

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.

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 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 soap and water and continue rinsing for 15 minutes. 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. Information to Healthcare personnel/doctor: initiate life support measures if needed, thereafter call a POISON CENTRE.

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.

Information to Healthcare personnel/doctor: initiate life support measures if needed, thereafter call a POISON CENTRE.

EMERGENCY MEASURES TO PROTECT THE ENVIRONMENT

Do not allow product 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

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

Application codes: not applicable