

EN

*ANNEX*

**SUMMARY OF PRODUCT CHARACTERISTICS FOR A BIOCIDAL PRODUCT**

INDAL PAA 5-BG-en

**Product type(s)**

PT02: Disinfectants and algaecides not intended for direct application to humans or animals

PT03: Veterinary hygiene

PT04: Food and feed area

PT05: Drinking water

**Authorisation number:** 3260-1 1-3

**R4BP asset number:** BG-0024556-0003

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## 1. ADMINISTRATIVE INFORMATION

### 1.1. Trade name(s) of the product

Trade name(s)	INDAL PAA 5 RC LAUNDRY 5 PAA 5 CLUSTERS PAA 5.0 PAA 5 PAA 5 DW
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### 1.2. Authorisation holder

Name and address of the authorisation holder	Name	STOCKMEIER FRANCE SAS
	Address	3 rue de la Buhotière 35091 RENNES France
Authorisation number	3260-1 1-3	
<i>R4BP asset number</i>	BG-0024556-0003	
Date of the authorisation	29/11/2021	
Expiry date of the authorisation	10/08/2030	

### 1.3. Manufacturer(s) of the product

Name of manufacturer	QUARON SAS
Address of manufacturer	3 Rue de la Buhotière 35091 Rennes France
Location of manufacturing sites	3 Rue de la Buhotière 35091 Rennes France

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

Active substance	Peracetic acid
Name of manufacturer	QUARON SAS
Address of manufacturer	3 Rue de la Buhotière 35091 Rennes France
Location of manufacturing sites	3 Rue de la Buhotière 35091 Rennes France

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## 2. PRODUCT COMPOSITION AND FORMULATION

### 2.1. Qualitative and quantitative information on the composition of the product

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Peracetic acid		active substance	79-21-0	201-186-8	5,3
Hydrogen peroxide		Non-active substance	7722-84-1	231-765-0	25,5
Acetic acid		Non-active substance	64-19-7	200-580-7	8,2
Sulphuric acid		Non-active substance	7664-93-9		0,96

### 2.2. Type(s) of formulation

SL Soluble concentrate

### 3. HAZARD AND PRECAUTIONARY STATEMENTS

Hazard statements	H290: May be corrosive to metals.  H302+H332: Harmful if swallowed or if inhaled.  H314: Causes severe skin burns and eye damage.  H335: May cause respiratory irritation.  H410: Very toxic to aquatic life with long lasting effects.
Precautionary statements	P234: Keep only in original packaging.  P273: Avoid release to the environment.  P280: Wear protective gloves.  P280: Wear protective clothing.  P280: Wear eye protection.  P280: Wear face protection.  P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  P260: Do not breathe dust.  P260: Do not breathe fume.  P260: Do not breathe gas.  P260: Do not breathe mist.  P260: Do not breathe vapours.  P260: Do not breathe spray.  P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

## 4. AUTHORISED USE(S)

### 4.1. Use description

**Table 1. Surfaces disinfection by manual spraying in private, public, and industrial areas and in other areas for professional activities**

Product type	PT02: Disinfectants and algaecides not intended for direct application to humans or animals
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: no data  Scientific name: no data Common name: fungi/yeasts Development stage: no data  Scientific name: no data Common name: algae Development stage: no data  Scientific name: no data Common name: Biofilms Development stage: no data  Scientific name: no data Common name: Viruses Development stage: no data  Scientific name: no data Common name: Mycobacteria Development stage: no data
Field(s) of use	indoor use outdoor use  Indoors and outdoors disinfection of open surfaces, materials or equipments, walls or floors by manual spraying in private, public, and industrial areas and in other areas for professional activities.
Application method(s)	Method: spraying  Detailed description: The concentrate solution is diluted in tap water from 0.1% to 3% (v/v), via a proportional automatic dosage system or a venturi system and then applied manually by spraying on surfaces. The diluted product is applied at ambient temperature with a contact time with surfaces of 5 to 30 minutes. The product should be applied on clean surfaces. The treated surfaces are rinsed with drinking water after the indicated contact time.
Application rate(s) and frequency	Application Rate: The application dose is 20 ml/m <sup>2</sup> .  Dilution (%): 0.1 to 3 (v/v)  Number and timing of application: The product is used once a day, 220 days per year.
Category(ies) of users	trained professional

Pack sizes and packaging material	0.25-1-5-10-20-200-1000L HDPE
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**4.1.1. Use-specific instructions for use**

**4.1.2. Use-specific risk mitigation measures**

**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**

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

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

**4.2. Use description**

**Table 2. Disinfection of closed circulation circuits by cleaning-in-place in sewage treatment plant**

Product type	PT02: Disinfectants and algaecides not intended for direct application to humans or animals
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	<p>Scientific name: no data Common name: Bacteria Development stage: no data</p> <p>Scientific name: no data Common name: fungi/yeasts Development stage: no data</p> <p>Scientific name: no data Common name: Mycobacteria Development stage: no data</p> <p>Scientific name: no data Common name: Viruses Development stage: no data</p> <p>Scientific name: no data Common name: algae Development stage: no data</p> <p>Scientific name: no data Common name: Biofilms Development stage: no data</p>
Field(s) of use	<p>outdoor use</p> <p>Outdoors disinfection of closed circulation circuits by cleaning-in-place in sewage treatment plant.</p>
Application method(s)	<p>Method: open system</p> <p>Detailed description: The concentrate solution is diluted in tap water from 0.1% to 3% (v/v), via a proportional automatic dosage system or a venturi system. The product is then applied automatically and continuously during the time of treatment</p>

	in closed systems for cleaning-in-place. The diluted product is applied at ambient temperature with a contact time with surfaces of 5 to 30 minutes. The product can be applied on dirty surfaces. The treated surfaces are rinsed with drinking water after the indicated contact time.
Application rate(s) and frequency	Application Rate: - Dilution (%): 0.1 to 3 (v/v) Number and timing of application: The product is used once a day, 20 days per year.
Category(ies) of users	trained professional
Pack sizes and packaging material	5-10-20-200-1000L HDPE

#### 4.2.1. Use-specific instructions for use

#### 4.2.2. Use-specific risk mitigation measures

#### 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

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

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

#### 4.3. Use description

**Table 3. Disinfection of closed circulation circuits for cleaning in place in private and public pharmaceutical and cosmetic industries and institutions**

Product type	PT02: Disinfectants and algaecides not intended for direct application to humans or animals
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	<p>Scientific name: no data Common name: Bacteria Development stage: no data</p> <p>Scientific name: no data Common name: fungi/yeasts Development stage: no data</p> <p>Scientific name: no data Common name: Mycobacteria Development stage: no data</p> <p>Scientific name: no data Common name: Viruses Development stage: no data</p> <p>Scientific name: no data Common name: Spores Development stage: no data</p> <p>Scientific name: no data</p>



	Common name: Biofilms Development stage: no data
Field(s) of use	indoor use outdoor use  Indoors and outdoors disinfection of closed circulation circuits for cleaning in place pharmaceutical and cosmetic industries and institutions.
Application method(s)	Method: closed system  Detailed description: The concentrate solution is diluted in tap water from 0.1% to 3% (v/v), via a proportional automatic dosage system or a venturi system. The product is then applied automatically and continuously during the time of treatment in closed systems for cleaning-in-place. The diluted product is applied at ambient temperature with a contact time with surfaces of 5 to 30 minutes. The product should be applied on clean surfaces. The treated surfaces are rinsed with drinking water after the indicated contact time.
Application rate(s) and frequency	Application Rate: The application dose is 20 ml/m <sup>2</sup> .  Dilution (%): 0.1 to 3 (v/v)  Number and timing of application: The product is used once a day, 220 days per year.
Category(ies) of users	trained professional
Pack sizes and packaging material	0.25-1-5-10-20-200-1000L HDPE

#### 4.3.1. Use-specific instructions for use

#### 4.3.2. Use-specific risk mitigation measures

#### 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

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

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

#### 4.4. Use description

**Table 4. Surfaces disinfection by manual dipping**

Product type	PT02: Disinfectants and algacides not intended for direct application to humans or animals
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: no data  Scientific name: no data Common name: fungi/yeasts Development stage: no data

	<p>Scientific name: no data Common name: Mycobacteria Development stage: no data</p> <p>Scientific name: no data Common name: Viruses Development stage: no data</p> <p>Scientific name: no data Common name: Biofilms Development stage: no data</p>
Field(s) of use	<p>indoor use outdoor use</p> <p>Outdoors and indoors disinfection of surfaces by manual dipping in sewage treatment plant and in waste processing industries.</p>
Application method(s)	<p>Method: open system: dip treatment</p> <p>Detailed description: The concentrate solution is diluted in tap water from 0.1% to 3% (v/v), via a proportional automatic dosage system or a venturi system. The diluted product is applied manually by dipping in containers during the time of treatment. The diluted product can be applied on dirty surfaces at ambient temperature with a contact time with surfaces of 5 to 30 minutes. The treated surfaces are then rinsed with drinking water after the indicated contact time.</p>
Application rate(s) and frequency	<p>Application Rate: -</p> <p>Dilution (%): 0.1 to 3 (v/v)</p> <p>Number and timing of application: The product is used once a day, 220 days per year.</p>
Category(ies) of users	trained professional
Pack sizes and packaging material	0.25-1-5-10-20-200-1000L HDPE

**4.4.1. Use-specific instructions for use**

**4.4.2. Use-specific risk mitigation measures**

**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**

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

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

**4.5. Use description**

**Table 5. Disinfection of waste water and leachates in private and public sewage treatment plant**

Product type	PT02: Disinfectants and algacides not intended for direct application to humans or animals
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Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	<p>Scientific name: no data Common name: Bacteria Development stage: no data</p> <p>Scientific name: no data Common name: fungi/yeasts Development stage: no data</p> <p>Scientific name: no data Common name: Mycobacteria Development stage: no data</p> <p>Scientific name: no data Common name: Viruses Development stage: no data</p>
Field(s) of use	<p>outdoor use</p> <p>Outdoors disinfection of waste water and leachates in private and public sewage treatment plant.</p>
Application method(s)	<p>Method: open system</p> <p>Detailed description: The concentrate solution is continuously added in used waters so as to reach a concentration of 0.2% (v/v), via a proportional automatic dosage system or a venturi system. The product is applied at ambient temperature with a contact time with surfaces of 30 minutes. The product is continuously applied in dirty conditions.</p>
Application rate(s) and frequency	<p>Application Rate: The application is continuous during the time of treatment.</p> <p>Dilution (%): 0.2 (v/v)</p> <p>Number and timing of application: The product is used daily.</p>
Category(ies) of users	trained professional
Pack sizes and packaging material	0.25-1-5-10-20-200-1000L HDPE

#### **4.5.1. Use-specific instructions for use**

#### **4.5.2. Use-specific risk mitigation measures**

#### **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**

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

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

#### **4.6. Use description**

**Table 6. Disinfection of wasted water, leachates and liquid laboratory waste in closed systems in medical biology laboratories**

Product type	PT02: Disinfectants and algaecides not intended for direct application to humans or animals
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	<p>Scientific name: no data Common name: Bacteria Development stage: no data</p> <p>Scientific name: no data Common name: fungi/yeasts Development stage: no data</p> <p>Scientific name: no data Common name: Mycobacteria Development stage: no data</p> <p>Scientific name: no data Common name: Viruses Development stage: no data</p>
Field(s) of use	<p>indoor use</p> <p>Indoors disinfection of wasted water, leachates and liquid laboratory waste in closed systems in medical biology laboratories.</p>
Application method(s)	<p>Method: closed system</p> <p>Detailed description: The concentrate solution is continuously added in waste waters so as to reach a concentration of 1% to 3% (v/v), via a proportional automatic dosage system or a venturi system. The product is applied at ambient temperature with a contact time with surfaces of 5 to 30 minutes. The product is applied in dirty conditions. The treated surfaces are rinsed with drinking water after the indicated contact time.</p>
Application rate(s) and frequency	<p>Application Rate: The application is continuous during the time of treatment.</p> <p>Dilution (%): 1 to 3 (v/v)</p> <p>Number and timing of application: The product is used daily.</p>
Category(ies) of users	trained professional
Pack sizes and packaging material	5-10-20-200-1000L HDPE

**4.6.1. Use-specific instructions for use**

**4.6.2. Use-specific risk mitigation measures**

**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**

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

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

**4.7. Use description**

**Table 7. Laundry disinfection in professional laundry and washing machine**

Product type	PT02: Disinfectants and algacides not intended for direct application to humans or animals
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: no data  Scientific name: no data Common name: fungi/yeasts Development stage: no data  Scientific name: no data Common name: Mycobacteria Development stage: no data  Scientific name: no data Common name: Viruses Development stage: no data  Scientific name: no data Common name: Spores Development stage: no data
Field(s) of use	indoor use  Indoors laundry disinfection in closed circulation circuits in professional laundry and washing machine of agri-food industries.
Application method(s)	Method: closed system  Detailed description: The concentrate solution is continuously diluted in tap water to a final PAA concentration of 1200 ppm, via a proportional automatic dosage system with a membrane pump integrated into the washing machine. The diluted product is then applied automatically and continuously to water during cleaning cycle. The diluted product is directly applied at a temperature of 45°C to the tap water in order to obtain a washing solution. The contact time with surfaces is 15 minutes. The product is applied on clean surfaces. The treated surfaces are then rinsed with tap water after the indicated contact time.

Application rate(s) and frequency	Application Rate: The applied dose of concentrate is 450 ml/kg of laundry.  Number and timing of application: The product is used daily, 220 days per year.
Category(ies) of users	trained professional
Pack sizes and packaging material	0.25-1-5-10-20-200-1000L HDPE

**4.7.1. Use-specific instructions for use**

**4.7.2. Use-specific risk mitigation measures**

**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**

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

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

**4.8. Use description**

**Table 8. Surface disinfection of milking parlour systems by manual spraying**

Product type	PT03: Veterinary hygiene
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: no data  Scientific name: no data Common name: Yeasts Development stage: no data  Scientific name: no data Common name: Mycobacteria Development stage: no data  Scientific name: no data Common name: Viruses Development stage: no data
Field(s) of use	indoor use  Indoors surface disinfection of milking parlour systems by manual spraying.
Application method(s)	Method: spraying  Detailed description: The concentrate solution is diluted in tap water from 0.1% to 0.5% (v/v), via a proportional automatic dosage system or a venturi system. The milking parlour systems are sprayed with the diluted product at ambient temperature with a contact time with surfaces of 1 to 2 minutes. The product can

	be applied on dirty surfaces. The treated surfaces are rinsed with drinking water after the indicated contact time.
Application rate(s) and frequency	Application Rate: The application dose is 20 ml/m <sup>2</sup> . Dilution (%): 0.1 to 0.5 (v/v) Number and timing of application: The product is used once a day, 365 days per year, for about 2 hours a day.
Category(ies) of users	trained professional
Pack sizes and packaging material	0.25-1-5-10-20-200-1000L HDPE

#### 4.8.1. Use-specific instructions for use

#### 4.8.2. Use-specific risk mitigation measures

#### 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

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

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

#### 4.9. Use description

**Table 9. Surface disinfection by manual dipping in fish farming industry**

Product type	PT03: Veterinary hygiene
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: no data  Scientific name: no data Common name: fungi/yeasts Development stage: no data  Scientific name: no data Common name: algae Development stage: no data  Scientific name: no data Common name: Viruses Development stage: no data  Scientific name: no data Common name: Spores Development stage: no data
Field(s) of use	indoor use outdoor use  Outdoors and indoors disinfection of surfaces by manual dipping in fish farming industry.

Application method(s)	Method: open system: dip treatment  Detailed description: The concentrate solution is diluted in tap water from 0.1% to 3% (v/v), via a proportional automatic dosage system or a venturi system. The diluted product is applied automatically and continuously to containers during the time of treatment. The diluted product is applied at 10°C with a contact time with surfaces of 15 to 30 minutes. The product should be applied on clean surfaces. The treated surfaces are rinsed with drinking water after the indicated contact time.
Application rate(s) and frequency	Application Rate: -  Dilution (%): 0.1 to 3 (v/v)  Number and timing of application: The product is used once a day, 200 days per year.
Category(ies) of users	trained professional
Pack sizes and packaging material	5-10-20-200-1000L HDPE

**4.9.1. Use-specific instructions for use**

**4.9.2. Use-specific risk mitigation measures**

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

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

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

**4.10. Use description**

**Table 10. Disinfection of closed circulation circuits by cleaning-in-place in fish farming industry**

Product type	PT03: Veterinary hygiene
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: no data  Scientific name: no data Common name: fungi/yeasts Development stage: no data  Scientific name: no data Common name: algae Development stage: no data  Scientific name: no data Common name: Spores Development stage: no data



Field(s) of use	indoor use outdoor use  Outdoors and indoors disinfection of surfaces in closed circulation circuits by cleaning-in-place in fish farming industry.
Application method(s)	Method: closed system  Detailed description: The concentrate solution is diluted in tap water from 0.1% to 3% (v/v), via a proportional automatic dosage system or a venturi system. The diluted product is applied automatically and continuously during the time of treatment in closed systems for cleaning-in-place. The diluted product is applied at a temperature of 10°C with a contact time with surfaces of 15 to 30 minutes. The product should be applied on clean surfaces. The treated surfaces are rinsed with drinking water after the indicated contact time.
Application rate(s) and frequency	Application Rate: -  Dilution (%): 0.1 to 3 (v/v)  Number and timing of application: The product is used once a day, 200 days per year.
Category(ies) of users	trained professional
Pack sizes and packaging material	0.25-1-5-10-20-200-1000L HDPE

#### **4.10.1. Use-specific instructions for use**

#### **4.10.2. Use-specific risk mitigation measures**

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

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

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

#### **4.11. Use description**

**Table 11. Surfaces disinfection by manual dipping in livestock housing**

Product type	PT03: Veterinary hygiene
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: no data  Scientific name: no data Common name: fungi/yeasts Development stage: no data  Scientific name: no data Common name: Spores Development stage: no data

	<p>Scientific name: no data Common name: Viruses Development stage: no data</p> <p>Scientific name: no data Common name: Biofilms Development stage: no data</p>
Field(s) of use	<p>indoor use</p> <p>Indoors disinfection of surfaces by manual dipping in livestock housing.</p>
Application method(s)	<p>Method: open system: dip treatment</p> <p>Detailed description: The concentrate solution is diluted in tap water from 0.1% to 3% (v/v), via a proportional automatic dosage system or a venturi system and then applied by manual dipping of surfaces. The diluted product is applied at a temperature of 10°C with a contact time with surfaces of 5 to 30 minutes. The product should be applied on clean surfaces. The treated surfaces are rinsed with drinking water after the indicated contact time.</p>
Application rate(s) and frequency	<p>Application Rate: -</p> <p>Dilution (%): 0.1 to 3 (v/v)</p> <p>Number and timing of application: The product is used once a day, 220 days per year.</p>
Category(ies) of users	trained professional
Pack sizes and packaging material	0.25-1-5-10-20-200-1000L HDPE

**4.11.1. Use-specific instructions for use**

**4.11.2. Use-specific risk mitigation measures**

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

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

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

**4.12. Use description**

**Table 12. Surfaces disinfection by manual spraying in livestock housing**

Product type	PT03: Veterinary hygiene
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	<p>Scientific name: no data Common name: Bacteria Development stage: no data</p> <p>Scientific name: no data Common name: fungi/yeasts Development stage: no data</p>

	<p>Scientific name: no data Common name: Spores Development stage: no data</p> <p>Scientific name: no data Common name: Viruses Development stage: no data</p> <p>Scientific name: no data Common name: Biofilms Development stage: no data</p>
Field(s) of use	<p>indoor use</p> <p>Indoors disinfection of surfaces by manual spraying in livestock housing.</p>
Application method(s)	<p>Method: spraying</p> <p>Detailed description: The concentrate solution is diluted in tap water from 0.1% to 3% (v/v), via a proportional automatic dosage system or a venturi system and then applied manually by spraying on surfaces. The diluted product is applied at a temperature of 10°C with a contact time with surfaces of 15 to 30 minutes. The product should be applied on clean surfaces.</p>
Application rate(s) and frequency	<p>Application Rate: The application dose of diluted product is 20 ml/m<sup>2</sup>.</p> <p>Dilution (%): 0.1 to 3 (v/v)</p> <p>Number and timing of application: The product is used once a day, 220 days per year.</p>
Category(ies) of users	trained professional
Pack sizes and packaging material	0.25-1-5-10-20-200-1000L HDPE

#### 4.12.1. Use-specific instructions for use

#### 4.12.2. Use-specific risk mitigation measures

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

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

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

#### 4.13. Use description

**Table 13. Disinfection of closed circulation circuits (drinking water and feed) by cleaning-in-place in livestock housing**

Product type	PT03: Veterinary hygiene
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria

	<p>Development stage: no data</p> <p>Scientific name: no data Common name: fungi/yeasts Development stage: no data</p> <p>Scientific name: no data Common name: Spores Development stage: no data</p> <p>Scientific name: no data Common name: Viruses Development stage: no data</p> <p>Scientific name: no data Common name: Biofilms Development stage: no data</p>
Field(s) of use	<p>indoor use</p> <p>Indoors surface disinfection in closed circulation circuits by cleaning-in-place in livestock housing.</p>
Application method(s)	<p>Method: closed system</p> <p>Detailed description: The concentrate solution is diluted in tap water from 0.1% to 3% (v/v), via a proportional automatic dosage system or a venturi system. The diluted product is then applied automatically and continuously during the time of treatment in closed systems for cleaning-in-place. The diluted product is applied at ambient temperature with a contact time with surfaces of 15 to 30 minutes. The product should be applied on clean surfaces. The treated surfaces are rinsed with drinking water after the indicated contact time.</p>
Application rate(s) and frequency	<p>Application Rate: -</p> <p>Dilution (%): 0.1 to 3 (v/v)</p> <p>Number and timing of application: The product is used once a day, 220 days per year.</p>
Category(ies) of users	trained professional
Pack sizes and packaging material	0.25-1-5-10-20-200-1000L HDPE

**4.13.1. Use-specific instructions for use**

**4.13.2. Use-specific risk mitigation measures**

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

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

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

**4.14. Use description**

**Table 14. Surfaces disinfection by manual spraying in agri-food industry**

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: no data  Scientific name: no data Common name: fungi/yeasts Development stage: no data  Scientific name: no data Common name: Spores Development stage: no data  Scientific name: no data Common name: Viruses Development stage: no data  Scientific name: no data Common name: Biofilms Development stage: no data
Field(s) of use	indoor use  Indoors disinfection surfaces by manual spraying in agri-food industry.
Application method(s)	Method: spraying  Detailed description: The concentrate solution is diluted in tap water from 0.1% to 3% (v/v), via a proportional automatic dosage system or a venturi system. The product is then applied by manual spraying on surfaces. The diluted product is applied at ambient temperature with a contact time with surfaces of 5 to 30 minutes. The product should be applied on clean surfaces. The treated surfaces are rinsed with drinking water after the indicated contact time.
Application rate(s) and frequency	Application Rate: The application dose is 20 ml/m <sup>2</sup> .  Dilution (%): 0.1 to 3 (v/v)  Number and timing of application: The product is used once a day, 220 days per year.
Category(ies) of users	trained professional
Pack sizes and packaging material	0.25-1-5-10-20-200-1000L HDPE

**4.14.1. Use-specific instructions for use**

**4.14.2. Use-specific risk mitigation measures**

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

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

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

**4.15. Use description**

**Table 15. Disinfection of closed circulation circuits by cleaning-in-place in agri-food industry**

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: no data  Scientific name: no data Common name: fungi/yeasts Development stage: no data  Scientific name: no data Common name: Spores Development stage: no data  Scientific name: no data Common name: Viruses Development stage: no data  Scientific name: no data Common name: Biofilms Development stage: no data
Field(s) of use	indoor use  Indoors surfaces disinfection in closed circulation circuits by cleaning-in-place in agri-food industry.
Application method(s)	Method: closed system  Detailed description: The concentrate solution is diluted in tap water from 0.1% to 3% (v/v), via a proportional automatic dosage system or a venturi system. The diluted product is then applied automatically and continuously during the time of treatment in closed systems for cleaning-in-place. The diluted product is applied at ambient temperature with a contact time with surfaces of 5 to 30 minutes. The product should be applied on clean surfaces. The treated surfaces are rinsed with drinking water after the indicated contact time.

Application rate(s) and frequency	Application Rate: - Dilution (%): 0.1 to 3 (v/v) Number and timing of application: The product is used once a day, 220 days per year.
Category(ies) of users	trained professional
Pack sizes and packaging material	0.25-1-5-10-20-200-1000L HDPE

**4.15.1. Use-specific instructions for use**

**4.15.2. Use-specific risk mitigation measures**

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

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

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

**4.16. Use description**

**Table 16. Surfaces disinfection by manual dipping in agri-food industry**

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: no data  Scientific name: no data Common name: fungi/yeasts Development stage: no data  Scientific name: no data Common name: Spores Development stage: no data  Scientific name: no data Common name: Viruses Development stage: no data  Scientific name: no data Common name: Biofilms Development stage: no data
Field(s) of use	indoor use  Indoors disinfection of surfaces in contact with food and water for animals by manual dipping in agri-food industry.
Application method(s)	Method: open system: dip treatment  Detailed description: The concentrate solution is diluted in tap water from 0.1% to 3% (v/v), via a proportional automatic

	dosage system or a venturi system. The product is then applied by manual dipping in containers. The diluted product is applied at ambient temperature with a contact time with surfaces of 5 to 30 minutes. The product should be applied on clean surfaces. The treated surfaces are rinsed with drinking water after the indicated contact time.
Application rate(s) and frequency	Application Rate: - Dilution (%): 0.1 to 3 (v/v) Number and timing of application: The product is used once a day, 220 days per year.
Category(ies) of users	trained professional
Pack sizes and packaging material	0.25-1-5-10-20-200-1000L HDPE

**4.16.1. Use-specific instructions for use**

**4.16.2. Use-specific risk mitigation measures**

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

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

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

**4.17. Use description**

**Table 17. Disinfection by automated spraying in closed professional washing machines in agri food industry and institutions, and institutional kitchens**

Product type	PT04: Food and feed area
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	<p>Scientific name: no data Common name: Bacteria Development stage: no data</p> <p>Scientific name: no data Common name: fungi/yeasts Development stage: no data</p> <p>Scientific name: no data Common name: Spores Development stage: no data</p> <p>Scientific name: no data Common name: Viruses Development stage: no data</p> <p>Scientific name: no data Common name: Biofilms Development stage: no data</p>



Field(s) of use	indoor use  Indoors disinfection of materials and small equipments in closed professional washing machines in agri-food industry and institutions, and institutional kitchens.
Application method(s)	Method: closed system  Detailed description: The concentrate solution is diluted in tap water from 0.1% to 3% (v/v), via a proportional automatic dosage system or a venturi system. The product is then applied automatically and continuously during the time of treatment in closed professional washing machines. The diluted product is applied at ambient temperature with a contact time with surfaces of 1 to 30 minutes. The product should be applied on clean surfaces. The treated surfaces are rinsed with drinking water after the indicated contact time.
Application rate(s) and frequency	Application Rate: The application is continuous during the time of treatment.  Dilution (%): 0.1 to 3 (v/v)  Number and timing of application: The product is used once a day, 220 days per year.
Category(ies) of users	trained professional
Pack sizes and packaging material	0.25-1-5-10-20-200-1000L HDPE

**4.17.1. Use-specific instructions for use**

**4.17.2. Use-specific risk mitigation measures**

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

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

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

**4.18. Use description**

**Table 18. Drinking water disinfection for animals in farms**

Product type	PT05: Drinking water
Where relevant, an exact description of the authorised use	-
Target organism(s) (including development stage)	Scientific name: no data Common name: Bacteria Development stage: no data  Scientific name: no data Common name: Viruses Development stage: no data
Field(s) of use	indoor use

	<p>outdoor use</p> <p>Outdoors and indoors disinfection of drinking water for animals in farms.</p>
Application method(s)	<p>Method: open system</p> <p>Detailed description: The concentrate solution is continuously diluted in drinking water at ambient temperature via a proportional automatic dosage system in order to obtain a final PAA content of 25 ppm, and stored in an intermediate tank during 60 minutes. The treated water is then distributed to the animals.</p>
Application rate(s) and frequency	<p>Application Rate: -</p> <p>Dilution (%): 0.05 (v/v)</p> <p>Number and timing of application: The product is used daily and continuously.</p>
Category(ies) of users	trained professional
Pack sizes and packaging material	0.25-1-5-10-20-200-1000L HDPE

**4.18.1. Use-specific instructions for use**

**4.18.2. Use-specific risk mitigation measures**

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

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

**4.18.5. 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<sup>1</sup>

### 5.1. Instructions for use

Please refer to the authorised uses.

### 5.2. Risk mitigation measures

- 1) For Automatic pumping/mixing and loading applications for PT2, 3, 4 and 5: gloves, a protective coat, a face shield and a Full mask (P2 type) is required.
- 2) For manual spraying for PT 2 applications in industries: gloves, a protective coat and a half mask (P2 type) are required.
- 3) For manual spraying for PT 2 applications in institutions: gloves, a protective coat and a half mask (P3 type) are required.
- 4) For manual spraying for PT 3 applications in animal houses, as well as for manual dipping in aquaculture plants: gloves, a protective coat and a half mask (P1 type) are required.
- 5) For manual spraying for PT 3 applications for disinfection of milking parlour system in farms, for manual spraying for PT 4 applications, as well as for manual dipping for PT 2, for PT 3 used in animal houses and for PT 4 applications: gloves, a protective coat are required. But no RPE is necessary.
- 6) For manual rinsing and manual draining for PT 2, 3 and 4 applications: no personal protective equipment (PPE) and RPE is required.
- 8) In order to protect the environment, a thiosulfate neutralization can be performed in order to decompose peracetic acid and hydrogen peroxide that could potentially persist after treatment. For this neutralization, sodium thiosulfate as a powder (technical Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> 5H<sub>2</sub>O, purity > 98.5%) can be directly added in the water. This neutralization could be required when the product is used for the disinfection of aquaculture systems, or for the disinfection of waste and waste treatment systems (Uses 2, 3, 4, 5, 6, 9 and 10).

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

Likely direct or indirect effects:

- May be corrosive to metals.
- Harmful if swallowed or inhaled.
- Causes severe skin burns and eye damage.
- May cause respiratory irritation
- Very toxic to aquatic life with long lasting effects.

First aid instructions:

- IF SWALLOWED : Rinse mouth. DO NOT induce vomiting.
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Emergency measures to protect the environment:

- Avoid release to the environment.
- Keep only in original container.

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

- Avoid release to the environment.
- Keep only in original container.

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

Store at ambient temperature.

Shelf-life under normal conditions of storage: 2 years.

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<sup>1</sup>Instructions for use, risk mitigation measures and other directions for use under this section are valid for any authorised uses.

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## **6. OTHER INFORMATION**