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ANNEX

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

QUARON PAA Family

Product type(s)

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

PT04: Food and feed area

PT03: Veterinary hygiene

PT05: Drinking water

Authorisation number 3260-1

R4BP asset number BG-0024556-0000

I. FIRST INFORMATION LEVEL	4
1. ADMINISTRATIVE INFORMATION	5
2. PRODUCT FAMILY COMPOSITION AND FORMULATION	6
II. SECOND INFORMATION LEVEL - META SPC(S)	7
1. META SPC 1 ADMINISTRATIVE INFORMATION	8
2. META SPC 1 COMPOSITION	9
3. HAZARD AND PRECAUTIONARY STATEMENTS OF THE META SPC	
1	10
4. AUTHORISED USE(S) OF THE META SPC	11
5. GENERAL DIRECTIONS FOR USE OF THE META SPC 1	18
6. OTHER INFORMATION	19
7. THIRD INFORMATION LEVEL: INDIVIDUAL PRODUCTS IN THE	
META SPC 1	20
1. META SPC 2 ADMINISTRATIVE INFORMATION	21
2. META SPC 2 COMPOSITION	22
3. HAZARD AND PRECAUTIONARY STATEMENTS OF THE META SPC	
2	23
4. AUTHORISED USE(S) OF THE META SPC	24
5. GENERAL DIRECTIONS FOR USE OF THE META SPC 2	28
6. OTHER INFORMATION	29
7. THIRD INFORMATION LEVEL: INDIVIDUAL PRODUCTS IN THE	
META SPC 2	30
1. META SPC 3 ADMINISTRATIVE INFORMATION	31
2. META SPC 3 COMPOSITION	32
3. HAZARD AND PRECAUTIONARY STATEMENTS OF THE META SPC	
3	33
4. AUTHORISED USE(S) OF THE META SPC	34
5. GENERAL DIRECTIONS FOR USE OF THE META SPC 3	55
6. OTHER INFORMATION	56
7. THIRD INFORMATION LEVEL: INDIVIDUAL PRODUCTS IN THE	
META SPC 3	57
1. META SPC 4 ADMINISTRATIVE INFORMATION	58
2. META SPC 4 COMPOSITION	59
3. HAZARD AND PRECAUTIONARY STATEMENTS OF THE META SPC	
4	60
4. AUTHORISED USE(S) OF THE META SPC	61
5. GENERAL DIRECTIONS FOR USE OF THE META SPC 4	66
6. OTHER INFORMATION	67
7. THIRD INFORMATION LEVEL: INDIVIDUAL PRODUCTS IN THE	
META SPC 4	68
1. META SPC 5 ADMINISTRATIVE INFORMATION	69
2. META SPC 5 COMPOSITION	70
3. HAZARD AND PRECAUTIONARY STATEMENTS OF THE META SPC	
5	71
4. AUTHORISED USE(S) OF THE META SPC	72
5. GENERAL DIRECTIONS FOR USE OF THE META SPC 5	75
6. OTHER INFORMATION	76
7. THIRD INFORMATION LEVEL: INDIVIDUAL PRODUCTS IN THE	
META SPC 5	77
1. META SPC 6 ADMINISTRATIVE INFORMATION	78
2. META SPC 6 COMPOSITION	79

3. HAZARD AND PRECAUTIONARY STATEMENTS OF THE META SPC	
6	80
4. AUTHORISED USE(S) OF THE META SPC	81
5. GENERAL DIRECTIONS FOR USE OF THE META SPC 6	83
6. OTHER INFORMATION	84
7. THIRD INFORMATION LEVEL: INDIVIDUAL PRODUCTS IN THE META SPC 6	85

Part I.
FIRST INFORMATION LEVEL

1. ADMINISTRATIVE INFORMATION

1.1. Family name

Name	QUARON PAA Family
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1.2. Product type(s)

Product type(s)	PT02: Disinfectants and algacides not intended for direct application to humans or animals PT04: Food and feed area PT03: Veterinary hygiene PT05: Drinking water
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1.3. 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
<i>R4BP asset number</i>		BG-0024556-0000
Date of the authorisation		29/11/2021
Expiry date of the authorisation		10/08/2030

1.4. 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

1.5. 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

2. PRODUCT FAMILY COMPOSITION AND FORMULATION

2.1. Qualitative and quantitative information on the composition of the family

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Peracetic acid		active substance	79-21-0	201-186-8	1,2 - 15,8 % (w/w)
Hydrogen peroxide		Non-active substance	7722-84-1	231-765-0	13 - 35,5 % (w/w)
Acetic acid		Non-active substance	64-19-7	200-580-7	2,2 - 13,8 % (w/w)
Sulphuric acid		Non-active substance	7664-93-9		0 - 13,5 % (w/w)
Ethoxylated fatty acid		Non-active substance			0 - 3 % (w/w)

2.2. Type(s) of formulation

Formulation type(s)	SL Soluble concentrate
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Part II.
SECOND INFORMATION LEVEL - META SPC(S)

1. META SPC 1 ADMINISTRATIVE INFORMATION

1.1. Meta SPC 1 identifier

Identifier	Meta SPC: INDAL PAA 3.5
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1.2. Suffix to the authorisation number

Number	1-1
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1.3. Product type(s)

Product type(s)	PT02: Disinfectants and algaecides not intended for direct application to humans or animals PT04: Food and feed area
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2. META SPC 1 COMPOSITION

2.1. Qualitative and quantitative information on the composition of the meta SPC 1

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Peracetic acid		active substance	79-21-0	201-186-8	2,6 - 2,6 % (w/w)
Hydrogen peroxide		Non-active substance	7722-84-1	231-765-0	25 - 25 % (w/w)
Acetic acid		Non-active substance	64-19-7	200-580-7	5 - 5 % (w/w)
Sulphuric acid		Non-active substance	7664-93-9		0,96 - 0,96 % (w/w)
Ethoxylated fatty acid		Non-active substance			0 - 0 % (w/w)

2.2. Type(s) of formulation of the meta SPC 1

Formulation type(s)	SL Soluble concentrate
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3. HAZARD AND PRECAUTIONARY STATEMENTS OF THE META SPC 1

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]. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. 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.

4. AUTHORISED USE(S) OF THE META SPC

4.1. Use description 1

Table 1. Disinfection of wasted water, leachates and liquid laboratory waste in closed systems in medical biology laboratories

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)	<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 automatically diluted in the waste water to treat at 0.1% to 4% (v/v), via a proportional automatic dosage system or a venturi system according to use instructions of the proper application equipment. The product is applied at ambient temperature with a contact time with liquid waste and surfaces of 30 minutes. The product can be applied on dirty surfaces of the equipment to disinfect them. The treated surfaces are rinsed with drinking water after the indicated contact time. The treated liquid waste, and the rinse water are discharged in sewers to be treated in a STEP.</p>
Application rate(s) and frequency	<p>Application Rate: The application is continuous during the time of treatment.</p> <p>Dilution (%): 0.1 to 4 (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

4.1.1. 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 2

Table 2. 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)	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
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 4% (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 is continuous during the time of treatment.

	Dilution (%): 0.1 to 4 (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

4.2.1. 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 3

Table 3. Surface 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: Viruses Development stage: no data Scientific name: no data Common name: Spores Development stage: no data Scientific name: no data Common name: Biofilms Development stage: no data
Field(s) of use	indoor use Indoors disinfection of open surfaces, materials or equipments, walls or floors 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 4% (v/v), via a proportional automatic dosage system or a venturi system and then applied manually

	by spraying on surfaces. The diluted product is then 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 20mL/m ² . Dilution (%): 0.1 to 4 (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 4

Table 4. Disinfection of closed circulation circuits for 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: Viruses Development stage: no data Scientific name: no data Common name: Spores Development stage: no data Scientific name: no data Common name: Biofilms Development stage: no data
Field(s) of use	indoor use

	Indoors disinfection of closed circulation circuits for 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 4% (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 is continuous during the time of treatment. Dilution (%): 0.1 to 4 (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

4.4.1. 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 5

Table 5. 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: Viruses Development stage: no data Scientific name: no data

	Common name: Spores 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 by manual dipping in agri-food industry. This use also includes a foot bath disinfection
Application method(s)	Method: open system: dip treatment Detailed description: The concentrate solution is diluted in tap water from 0.1% to 4% (v/v), via a proportional automatic dosage system or a venturi system and then applied manually by dipping 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: - Dilution (%): 0.1 to 4 (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	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 6

Table 6. 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)	Scientific name: no data Common name: Bacteria Development stage: no data Scientific name: no data Common name: fungi/yeasts

	<p>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 Common name: Biofilms Development stage: no data</p>
Field(s) of use	<p>indoor use</p> <p>Indoors disinfection of materials and small equipments in closed professional washing machines in agri-food industry and institutions, and institutional kitchens.</p>
Application method(s)	<p>Method: closed system</p> <p>Detailed description: The concentrate solution is diluted in tap water from 0.1% to 4% (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 5 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: The application is continuous during the time of treatment.</p> <p>Dilution (%): 0.1 to 4 (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

4.6.1. 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

5. GENERAL DIRECTIONS FOR USE OF THE META SPC 1

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 and 4: gloves, a protective coat, a face shield and a Full mask (P2 type) is required.
- 2) For manual spraying for PT 4 applications in agri-food industries: gloves, a protective coat and a half-mask (P1 type) is required.
- 3) For manual spraying application in slaughter houses and for manual dipping for all PT 4 applications: gloves and a protective coat are required. No respiratory protective equipment (RPE) is necessary.
- 4) For manual rinsing and manual draining for PT 2 and PT 4 applications: no personal protective equipment (PPE) and RPE is required.
- 5) 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 $\text{Na}_2\text{S}_2\text{O}_3 \cdot 5\text{H}_2\text{O}$, purity > 98.5%) can be directly added in the water. This neutralization could be required when the product is applied for waste disinfection (Use 1).

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.

6. OTHER INFORMATION

7. THIRD INFORMATION LEVEL: INDIVIDUAL PRODUCTS IN THE META SPC 1

7.1. Trade name(s), authorisation number and specific composition of each individual product

Trade name(s)	INDAL PAA 3.5	Market area: BG
	PAA 2.5	Market area: BG
Authorisation number	BG-0024556-0001 1-1	

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Peracetic acid		active substance	79-21-0	201-186-8	2,6
Hydrogen peroxide		Non-active substance	7722-84-1	231-765-0	25
Acetic acid		Non-active substance	64-19-7	200-580-7	5
Sulphuric acid		Non-active substance	7664-93-9		0,96

1. META SPC 2 ADMINISTRATIVE INFORMATION

1.1. Meta SPC 2 identifier

Identifier	Meta SPC: INDAL PAA 2.5
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1.2. Suffix to the authorisation number

Number	1-2
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1.3. Product type(s)

Product type(s)	PT02: Disinfectants and algaecides not intended for direct application to humans or animals
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2. META SPC 2 COMPOSITION

2.1. Qualitative and quantitative information on the composition of the meta SPC 2

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Peracetic acid		active substance	79-21-0	201-186-8	2 - 2 % (w/w)

2.2. Type(s) of formulation of the meta SPC 2

Formulation type(s)	SL Soluble concentrate
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3. HAZARD AND PRECAUTIONARY STATEMENTS OF THE META SPC 2

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. H411: Toxic to aquatic life with long lasting effects.
Precautionary statements	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]. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. 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. P234: Keep only in original packaging. P273: Avoid release to the environment.

4. AUTHORISED USE(S) OF THE META SPC

4.1. Use description 1

Table 1. Disinfection of water in private and public swimming pool, in balneotherapy basin and in private ponds

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: algae 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 outdoor use</p> <p>1a. Indoors and outdoors disinfection of water in private and public swimming pool, in balneotherapy basin and in private ponds before water discharging. 1b. Indoors and outdoors shock disinfection of water in private and public swimming pool, in balneotherapy basin and in private ponds.</p>
Application method(s)	<p>Method: open system</p> <p>Detailed description: The concentrate solution is automatically diluted in the water to treat at 0.01% to 0.5% (v/v), via a proportional automatic dosage system, a venturi system, or is applied directly to the water to disinfect by a manual mixing and loading. The product is applied in dirty conditions in order to proceed to a curative disinfection that can take place for more than 12 hours. The treated surfaces are rinsed with drinking water after the indicated contact time only when the water is discharged.</p>
Application rate(s) and frequency	<p>Application Rate: -</p> <p>Dilution (%): 0.01 to 0.5 (v/v)</p> <p>Number and timing of application: The product is used once or twice a year (occasional use) during the sanitary emptying or 2 to 5 times a year if there is a contamination and a shock treatment is required.</p>
Category(ies) of users	trained professional
Pack sizes and packaging material	0.25-1-5-10-20-200-1000L HDPE

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 2

Table 2. Surfaces disinfection by manual spraying in private and public swimming pool, in balneotherapy basin and in private ponds

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: Viruses 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 and public swimming pool, in balneotherapy basin and in private ponds.
Application method(s)	Method: spraying Detailed description: The concentrate solution is diluted in tap water from 0.01% to 4% (v/v), via a proportional automatic dosage system or a venturi system. The product is 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 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 20mL/m ² .

	Dilution (%): 0.01 to 4 (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

4.2.1. 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 3

Table 3. Disinfection of closed circulation circuits for cleaning-in-place in private and public swimming pool, in balneotherapy basin, in private ponds and in sanitary hot water network

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: Viruses Development stage: no data
Field(s) of use	indoor use outdoor use Indoors and outdoors disinfection of closed circulation circuits for cleaning-in-place in private and public swimming pool, in balneotherapy basin, in private ponds and in sanitary water network (radiators).
Application method(s)	Method: closed system

	Detailed description: The concentrate solution is diluted in tap water from 0.01% to 4% (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 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 (%): 0.01 to 4 (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

5. GENERAL DIRECTIONS FOR USE OF THE META SPC 2

5.1. Instructions for use

Please refer to the authorised uses.

5.2. Risk mitigation measures

- 1) For manual mixing and loading for PT2 applications: gloves, a protective coat and a face shield is required. No RPE is necessary.
- 2) For Automatic pumping/mixing and loading applications for PT2: gloves, a protective coat, a face shield and a Full mask (P2 type) is required.
- 3) For manual spraying for PT 2 applications in industries: No PPE is necessary. But a half mask (P2 type) is required.
- 4) For manual spraying for PT 2 applications in institutions: No PPE is necessary. But a half mask (P3 type) is required.
- 5) For manual rinsing and manual draining for PT 2 applications: no personal protective equipment (PPE) and RPE is required.
- 6) 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 Na₂S₂O₃ 5H₂O, purity > 98.5%) can be directly added in the water. This neutralization could be required when the product is used for the disinfection of pool waters (Use 1).

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 if inhaled.
- Causes severe skin burns and eye damage.
- May cause respiratory irritation.
- 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.

6. OTHER INFORMATION

7. THIRD INFORMATION LEVEL: INDIVIDUAL PRODUCTS IN THE META SPC 2

7.1. Trade name(s), authorisation number and specific composition of each individual product

Trade name(s)	INDAL PAA 2.5	Market area: BG
	PAA 2.35	Market area: BG
	PAA POOL 2.35	Market area: BG
Authorisation number	BG-0024556-0002 1-2	

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Peracetic acid		active substance	79-21-0	201-186-8	2
Hydrogen peroxide		Non-active substance	7722-84-1	231-765-0	35,5
Acetic acid		Non-active substance	64-19-7	200-580-7	2,2
Sulphuric acid		Non-active substance	7664-93-9		0,3

1. META SPC 3 ADMINISTRATIVE INFORMATION

1.1. Meta SPC 3 identifier

Identifier	Meta SPC: INDAL PAA 5
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1.2. Suffix to the authorisation number

Number	1-3
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1.3. Product type(s)

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
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2. META SPC 3 COMPOSITION

2.1. Qualitative and quantitative information on the composition of the meta SPC 3

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Peracetic acid		active substance	79-21-0	201-186-8	5,3 - 5,3 % (w/w)

2.2. Type(s) of formulation of the meta SPC 3

Formulation type(s)	SL Soluble concentrate
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3. HAZARD AND PRECAUTIONARY STATEMENTS OF THE META SPC 3

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) OF THE META SPC

4.1. Use description 1

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)	<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: algae Development stage: no data</p> <p>Scientific name: no data Common name: Biofilms 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: Mycobacteria Development stage: no data</p>
Field(s) of use	<p>indoor use outdoor use</p> <p>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.</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 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.</p>
Application rate(s) and frequency	<p>Application Rate: The application dose is 20 ml/m².</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
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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 2

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 3

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 ² . 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 4

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 5

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 6

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

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)	<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 7

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 8

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 ² . 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 9

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 10

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 11

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 12

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/m².</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 13

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)	<p>Scientific name: no data Common name: Bacteria</p>

	<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 14

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 ² . 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 15

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)	<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 surfaces disinfection in closed circulation circuits by cleaning-in-place in agri-food industry.</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 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	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 16

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 17

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 18

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

5. GENERAL DIRECTIONS FOR USE OF THE META SPC 3

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 $\text{Na}_2\text{S}_2\text{O}_3 \cdot 5\text{H}_2\text{O}$, 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.

6. OTHER INFORMATION

7. THIRD INFORMATION LEVEL: INDIVIDUAL PRODUCTS IN THE META SPC 3

7.1. Trade name(s), authorisation number and specific composition of each individual product

Trade name(s)	INDAL PAA 5	Market area: BG
	RC LAUNDRY 5	Market area: BG
	PAA 5 CLUSTERS	Market area: BG
	PAA 5.0	Market area: BG
	PAA 5	Market area: BG
	PAA 5 DW	Market area: BG
Authorisation number	BG-0024556-0003 1-3	

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

1. META SPC 4 ADMINISTRATIVE INFORMATION

1.1. Meta SPC 4 identifier

Identifier	Meta SPC: INDAL PAA 15
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1.2. Suffix to the authorisation number

Number	1-4
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1.3. Product type(s)

Product type(s)	PT02: Disinfectants and algaecides not intended for direct application to humans or animals PT04: Food and feed area
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2. META SPC 4 COMPOSITION

2.1. Qualitative and quantitative information on the composition of the meta SPC 4

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Peracetic acid		active substance	79-21-0	201-186-8	15,8 - 15,8 % (w/w)

2.2. Type(s) of formulation of the meta SPC 4

Formulation type(s)	SL Soluble concentrate
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3. HAZARD AND PRECAUTIONARY STATEMENTS OF THE META SPC 4

<p>Hazard statements</p>	<p>H290: May be corrosive to metals.</p> <p>H302+H312+H332: Harmful if swallowed, in contact with skin or if inhaled.</p> <p>H314: Causes severe skin burns and eye damage.</p> <p>H335: May cause respiratory irritation.</p> <p>H410: Very toxic to aquatic life with long lasting effects.</p> <p>H242: Heating may cause a fire.</p>
<p>Precautionary statements</p>	<p>P273: Avoid release to the environment.</p> <p>P280: Wear protective gloves.</p> <p>P280: Wear protective clothing.</p> <p>P280: Wear eye protection.</p> <p>P280: Wear face protection.</p> <p>P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].</p> <p>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P260: Do not breathe dust.</p> <p>P260: Do not breathe fume.</p> <p>P260: Do not breathe gas.</p> <p>P260: Do not breathe mist.</p> <p>P260: Do not breathe vapours.</p> <p>P260: Do not breathe spray.</p> <p>P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P410: Protect from sunlight.</p> <p>P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P234: Keep only in original packaging.</p> <p>P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.</p>

4. AUTHORISED USE(S) OF THE META SPC

4.1. Use description 1

Table 1. 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
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 to reach a concentration of 0.07% (v/v), via a proportional automatic dosage system or a venturi system. The product is applied automatically and continuously to waste water during the time of treatment. 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: -</p> <p>Dilution (%): 0.07 (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	5-10-20-200-1000L HDPE

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 2

Table 2. Laundry disinfection in professional laundry and washing machine

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: Mycobacteria Development stage: no data Scientific name: no data Common name: Viruses Development stage: no data
Field(s) of use	indoor use Indoors laundry disinfection in professional laundry and washing machine.
Application method(s)	Method: closed system Detailed description: The concentrate solution is continuously diluted in tap water to a maximum final PAA concentration of 1200 ppm (0.8% v/v), 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 (rinsing step). The diluted product is directly applied at a temperature of 45°C to the tap water in order to obtain a disinfecting solution. The contact time with surfaces (textiles) is 15 minutes. The product is applied on clean textiles. The treated textiles are then rinsed with tap water after the indicated contact time.
Application rate(s) and frequency	Application Rate: The applied dose of concentrate is 150 ml/kg of laundry.

	Dilution (%): 0.8 (v/v) Number and timing of application: The product is used daily.
Category(ies) of users	trained professional
Pack sizes and packaging material	0.25-1-5-10-20-200-1000L 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 3

Table 3. 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: Viruses Development stage: no data Scientific name: no data Common name: Spores Development stage: no data
Field(s) of use	indoor use Indoors disinfection of 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 0.05% to 1.6% (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: - Dilution (%): 0.05 to 1.6 (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 4

Table 4. Surfaces disinfection by manual dipping

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: Viruses Development stage: no data Scientific name: no data Common name: Spores Development stage: no data
Field(s) of use	indoor use Indoors disinfection of containers or surfaces 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 0.05% to 1.6% (v/v), via a proportional automatic

	dosage system or a venturi system. The diluted product is applied by manual dipping in containers during the time of treatment. The product should be applied on clean surfaces at ambient temperature with a contact time with surfaces of 5 to 30 minutes. The treated surfaces are rinsed with drinking water after the indicated contact time.
Application rate(s) and frequency	Application Rate: - Dilution (%): 0.05 to 1.6 (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

4.4.1. 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

5. GENERAL DIRECTIONS FOR USE OF THE META SPC 4

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 and PT 4: gloves, a protective coat, a face shield and a Full mask (P2 type) is required.
- 2) For manual spraying for PT 4 applications in industries: gloves and a protective coat are required. But no RPE is necessary.
- 3) 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 $\text{Na}_2\text{S}_2\text{O}_3 \cdot 5\text{H}_2\text{O}$, purity > 98.5%) can be directly added in the water. This neutralization could be required when the product is applied for waste disinfection (Use 1).

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, in contact with skin or inhaled.
- Causes severe skin burns and eye damage.
- May cause respiratory irritation.
- Very toxic to aquatic life with long lasting effects.
- Heating may cause a fire.

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: 1 year.

6. OTHER INFORMATION

7. THIRD INFORMATION LEVEL: INDIVIDUAL PRODUCTS IN THE META SPC 4

7.1. Trade name(s), authorisation number and specific composition of each individual product

Trade name(s)	INDAL PAA 15	Market area: BG
	PAA 15	Market area: BG
Authorisation number	BG-0024556-0004 1-4	

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Peracetic acid		active substance	79-21-0	201-186-8	15,8
Hydrogen peroxide		Non-active substance	7722-84-1	231-765-0	25
Acetic acid		Non-active substance	64-19-7	200-580-7	13,8

1. META SPC 5 ADMINISTRATIVE INFORMATION

1.1. Meta SPC 5 identifier

Identifier	Meta SPC: INDAL OXY MOUSS
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1.2. Suffix to the authorisation number

Number	1-5
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1.3. Product type(s)

Product type(s)	PT03: Veterinary hygiene PT04: Food and feed area
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2. META SPC 5 COMPOSITION

2.1. Qualitative and quantitative information on the composition of the meta SPC 5

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Peracetic acid		active substance	79-21-0	201-186-8	1,2 - 1,2 % (w/w)

2.2. Type(s) of formulation of the meta SPC 5

Formulation type(s)	SL Soluble concentrate
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3. HAZARD AND PRECAUTIONARY STATEMENTS OF THE META SPC 5

Hazard statements	H290: May be corrosive to metals. H302+H312: Harmful if swallowed or in contact with skin. H314: Causes severe skin burns and eye damage. H335: May cause respiratory irritation. H411: Toxic to aquatic life with long lasting effects.
Precautionary statements	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]. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. 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. P234: Keep only in original packaging. P273: Avoid release to the environment.

4. AUTHORISED USE(S) OF THE META SPC

4.1. Use description 1

Table 1. Surfaces disinfection by manual foam spraying in livestock industry

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: 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 open surfaces, materials or equipments, walls, floors or vehicles transport by manual foam spraying in livestock industry.</p>
Application method(s)	<p>Method: foam application</p> <p>Detailed description: The concentrated solution is diluted in tap water from 1% to 5% (v/v), via a proportional automatic dosage system or a venturi system and then applied foam by manual spraying on surfaces with a foam generator. The diluted product is applied in low-level of dirty conditions, at a temperature of 10°C with a contact time with surfaces of 30 minutes minimum.</p>
Application rate(s) and frequency	<p>Application Rate: The application dose is 50 mL/m².</p> <p>Dilution (%): 1 to 5 (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

4.1.1. 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 2

Table 2. Surfaces disinfection by manual foam 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: 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 open surfaces, materials or equipments, walls and floors by manual foam spraying in agri-food industry.
Application method(s)	Method: foam application Detailed description: The concentrated solution is diluted in tap water from 0.5 % to 5% (v/v), via a proportional automatic dosage system or a venturi system and then applied foam manually by spraying on surfaces with a foam generator. 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 50 mL/m ² . Dilution (%): 0.5 to 5 (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

4.2.1. 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

5. GENERAL DIRECTIONS FOR USE OF THE META SPC 5

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 PT 3 and PT 4: gloves, a protective coat, a face shield and a Full mask (P1 type) is required.
- 2) For manual spraying for PT 3 applications in animal houses: gloves, a protective coat and a half mask (P1 type) are required.
- 3) For manual spraying for PT 3 applications for disinfection of vehicles for animal transport: gloves, a protective coat and a half mask (P2 type) are required.
- 4) For manual spraying for PT 4 applications: no PPE and no RPE is necessary.
- 5) For manual rinsing and manual draining for PT 2, 3 and 4 applications: no personal protective equipment (PPE) and RPE is required.

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 if in contact with skin.
- Causes severe skin burns and eye damage.
- May cause respiratory irritation.
- 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.

6. OTHER INFORMATION

7. THIRD INFORMATION LEVEL: INDIVIDUAL PRODUCTS IN THE META SPC 5

7.1. Trade name(s), authorisation number and specific composition of each individual product

Trade name(s)	INDAL OXY MOUSS	Market area: BG
	PAA OXY MOUSS	Market area: BG
	PEROX 1M	Market area: BG
Authorisation number	BG-0024556-0005 1-5	

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Peracetic acid		active substance	79-21-0	201-186-8	1,2
Hydrogen peroxide		Non-active substance	7722-84-1	231-765-0	13
Acetic acid		Non-active substance	64-19-7	200-580-7	5,75
Sulphuric acid		Non-active substance	7664-93-9		0,5
Ethoxylated fatty acid		Non-active substance			3

1. META SPC 6 ADMINISTRATIVE INFORMATION

1.1. Meta SPC 6 identifier

Identifier	Meta SPC: INDAL TAP 5
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1.2. Suffix to the authorisation number

Number	1-6
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1.3. Product type(s)

Product type(s)	PT04: Food and feed area
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2. META SPC 6 COMPOSITION

2.1. Qualitative and quantitative information on the composition of the meta SPC 6

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Peracetic acid		active substance	79-21-0	201-186-8	5 - 5 % (w/w)
Hydrogen peroxide		Non-active substance	7722-84-1	231-765-0	21 - 21 % (w/w)
Acetic acid		Non-active substance	64-19-7	200-580-7	5,95 - 5,95 % (w/w)
Sulphuric acid		Non-active substance	7664-93-9		13,5 - 13,5 % (w/w)
Ethoxylated fatty acid		Non-active substance			0 - 0 % (w/w)

2.2. Type(s) of formulation of the meta SPC 6

Formulation type(s)	SL Soluble concentrate
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3. HAZARD AND PRECAUTIONARY STATEMENTS OF THE META SPC 6

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

4. AUTHORISED USE(S) OF THE META SPC

4.1. Use description 1

Table 1. 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)	<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: algae 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>
Field(s) of use	<p>indoor use</p> <p>Indoors disinfection of closed circulation circuits by cleaning-in-place in agri-food industry.</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 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.</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

4.1.1. 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

5. GENERAL DIRECTIONS FOR USE OF THE META SPC 6

5.1. Instructions for use

Please refer to the authorised uses.

5.2. Risk mitigation measures

For Automatic pumping/mixing and loading applications for PT 4: gloves, a protective coat, a face shield and a full mask (P3 type) is required.

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: 1 year.

6. OTHER INFORMATION

7. THIRD INFORMATION LEVEL: INDIVIDUAL PRODUCTS IN THE META SPC 6

7.1. Trade name(s), authorisation number and specific composition of each individual product

Trade name(s)	INDAL TAP 5	Market area: BG
	PAA 5T	Market area: BG
Authorisation number	BG-0024556-0006 1-6	

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Peracetic acid		active substance	79-21-0	201-186-8	5
Hydrogen peroxide		Non-active substance	7722-84-1	231-765-0	21
Acetic acid		Non-active substance	64-19-7	200-580-7	5,95
Sulphuric acid		Non-active substance	7664-93-9		13,5