

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form : Mixture  
Product name : MIDA AGRI 812 PRE OX  
Product code : IT00022  
Type of product : Detergent

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**

Main use category : Professional use  
Use of the substance/mixture : sanitizing pre dipping

**1.2.2. Uses advised against**

Restrictions on use : The product should not be used for purposes other than those shown above without first referring to the supplier and obtaining written handling instructions

**1.3. Details of the supplier of the safety data sheet****Manufacturer**

Christeyns Italia S.r.l.  
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Italy  
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[info.pfhitalia@christeyns.com](mailto:info.pfhitalia@christeyns.com), [www.christeyns.com](http://www.christeyns.com)

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Rutland Street  
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**Distributor**

Christeyns Technologies Ltd.  
Mazars, Block 3, Harcourt Centre, Harcourt Road  
IE 2 Dublin  
Ireland  
T +353 1 8146022

**1.4. Emergency telephone number**

Country/Area	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH	0344 892 0111	Only for healthcare professionals

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Serious eye damage/eye irritation, Category 1 H318  
Hazardous to the aquatic environment – Chronic Hazard, Category 3 H412

Full text of H- and EUH-statements: see section 16

**Adverse physicochemical, human health and environmental effects**

Causes serious eye damage. Harmful to aquatic life with long lasting effects.

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### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS05

CLP Signal word

: Danger

Contains

: Hydrogen peroxide; Cocamidopropyl betaine; Alcohol ethoxylate; Secondary alcanesulfonate, sodium salt

Hazard statements (CLP)

: H318 - Causes serious eye damage.  
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P280 - Wear eye protection, protective gloves.  
P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor, a POISON CENTER.

### 2.3. Other hazards

Contains no PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

Component	
Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII	GLICERINA (56-81-5)
Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII	GLICERINA (56-81-5)

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Cocamidopropyl betaine	CAS-no: 97862-59-4 Einecs nr: 931-296-8 REACH-no: 01-2119488533-30	1 – 3	Eye Dam. 1, H318 Aquatic Chronic 3, H412
Secondary alcanesulfonate, sodium salt	CAS-no: 97489-15-1 Einecs nr: 307-055-2 REACH-no: 01-2119489924-20	1 – 3	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
GLICERINA substance with national workplace exposure limit(s) (BE, CZ, DE, EE, ES, FI, FR, GB, GR, HR, PL, SK, CH)	CAS-no: 56-81-5 Einecs nr: 200-289-5 EG annex nr: 200-289-5 REACH-no: 1907/2066/EC Annex V.9	1 – 3	Not classified
Alcohol ethoxylate	CAS-no: 157627-86-6 Einecs nr: 500-337-8 REACH-no: Exempted (polymer)	1 – 3	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Eye Dam. 1, H318 Aquatic Chronic 3, H412

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
peracetic acid substance with national workplace exposure limit(s) (BE, CZ, FI, IE, PL, PT, CH)	CAS-no: 79-21-0 Einecs nr: 201-186-8 EG annex nr: 607-094-00-8 REACH-no: 01-2119531330-56	< 1	Flam. Liq. 3, H226 Org. Perox. D, H242 Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Acute Tox. 4 (Dermal), H312 (ATE=1100 mg/kg bodyweight) Acute Tox. 4 (Inhalation), H332 (ATE=1.5 mg/l/4h) Skin Corr. 1A, H314 STOT SE 3, H335 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=10)

Specific concentration limits:		
Name	Product identifier	Specific concentration limits (%)
Secondary alcanesulfonate, sodium salt	CAS-no: 97489-15-1 Einecs nr: 307-055-2 REACH-no: 01-2119489924-20	(10 < C < 100) Skin Irrit. 2, H315 (10 < C ≤ 15) Eye Irrit. 2, H319 (15 < C < 100) Eye Dam. 1, H318 (60 < C < 100) Acute Tox. 4 (Oral), H302
peracetic acid	CAS-no: 79-21-0 Einecs nr: 201-186-8 EG annex nr: 607-094-00-8 REACH-no: 01-2119531330-56	(1 ≤ C ≤ 100) STOT SE 3, H335

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General advice

: If you feel unwell, seek medical advice.

Inhalation

: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.

Skin contact

: Wash skin with plenty of water.

Eye contact

: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

Ingestion

: Rinse mouth out with water. If swallowed, seek medical advice immediately and show this container or label. Call a poison center or a doctor if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

Acute effects inhalation

: Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.

Acute effects skin

: None under normal conditions.

Acute effects eyes

: Serious damage to eyes.

Acute effects oral route

: None under normal conditions.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media

: All extinguishing agents can be used. Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media

: Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard

: No fire hazard.

Explosion hazard

: No direct explosion hazard.

Hazardous decomposition products in case of fire

: Thermal decomposition generates : Carbon monoxide. Carbon dioxide.

### 5.3. Advice for firefighters

Firefighting instructions

: Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.

Protection during firefighting

: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.  
Absorb spillage to prevent material damage.
- 6.1.1. For non-emergency personnel
- Protective equipment : Wear recommended personal protective equipment.
- Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.
- 6.1.2. For emergency responders
- Protective equipment : Do not attempt to take action without suitable protective equipment. Use personal protective equipment as required. For further information refer to section 8: "Exposure controls/personal protection".
- Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.
- 6.2. Environmental precautions
- Avoid release to the environment.
- 6.3. Methods and material for containment and cleaning up
- For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.
- Methods for cleaning up : Take up liquid spill into absorbent material. Shovel or sweep up and put in a closed container for disposal.
- Other information : Dispose of materials or solid residues at an authorized site.
- 6.4. Reference to other sections
- For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.
- Precautions for safe handling : Ensure good ventilation of the work station. Never mix with other materials. Never return unused material to original container. Avoid contact with skin and eyes. Wear personal protective equipment.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Keep in a cool, well-ventilated place away from heat.
- Storage conditions : Keep cool. Protect from sunlight.
- Maximum storage period : ≤ 1 year
- Storage temperature : ≤ 35 (≥ 0) °C
- Packaging materials : Store always product in container of same material as original container.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1 National occupational exposure and biological limit values

peracetic acid (79-21-0)	
Ireland - Occupational Exposure Limits	
Local name	Peracetic acid
OEL STEL	0.4 ppm IFV (Inhlabl Fraction and Vapour)
Remark	Advisory OELV (Advisory Occupational Exposure Limit Values)
Regulatory reference	Chemical Agents Code of Practice 2024
GLICERINA (56-81-5)	
United Kingdom - Occupational Exposure Limits	
Local name	Glycerol
WEL TWA (OEL TWA)	10 mg/m³ mist
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

##### 8.1.2. Recommended monitoring procedures

No additional information available

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### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

No additional information available

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Wear recommended personal protective equipment.

#### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Wear security glasses which protect from splashes . Safety glasses

#### 8.2.2.2. Skin protection

##### Protective equipment:

Wear suitable protective clothing

##### Hand protection:

Protective gloves. Wear protective gloves

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

No personal breathing protective equipment is normally required.

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Odour	: Characteristic.
Odour threshold	: Not available
Melting point/range	: Not applicable
Freezing point	: $\leq 0\text{ }^{\circ}\text{C}$
Boiling point/Boiling range	: $\geq 100\text{ }^{\circ}\text{C}$
Flammability	: Non flammable.
Explosive properties	: Constituents do not contain chemical groups associated with explosivity.
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: $> 90\text{ }^{\circ}\text{C}$
Autoignition temperature	: Not available
Decomposition temperature	: Not available

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pH	: 4 ± 0,5
pH solution concentration	: 100 %
Viscosity, kinematic	: ≈ 5 mm <sup>2</sup> /s at 20 °C
Viscosity, dynamic	: ≈ 5 mPa·s at 20 °C
Solubility	: soluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not determined as it is not relevant for the characterization of the product
Vapour pressure at 50°C	: Not available
Density	: 1.02 g/cm <sup>3</sup> ± 0,02 at 20 °C
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

The product is stable at normal handling and storage conditions.

### 10.3. Possibility of hazardous reactions

None.

### 10.4. Conditions to avoid

No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

Never mix with other materials.

### 10.6. Hazardous decomposition products

Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

peracetic acid (79-21-0)	
LD50 oral	85 mg/kg bodyweight
LD50 dermal rabbit	56.1 mg/kg bodyweight
LC50 Inhalation - Rat (Dust/Mist)	1.5 mg/l/4h
LC50 Inhalation - Rat (Vapours)	11 mg/l/4h
Cocamidopropyl betaine (97862-59-4)	
LD50 oral rat	2335 mg/kg
LD50 dermal rat	> 2000 mg/kg
Alcohol ethoxylate (157627-86-6)	
LD50 oral rat	300 – 2000
LD50 dermal rabbit	> 2000 mg/kg
GLICERINA (56-81-5)	
LD50 oral rat	12600 ml/kg
LD50 dermal rabbit	> 18700 mg/kg
Skin corrosion/irritation	: Not classified pH: 4 ± 0,5

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peracetic acid (79-21-0)	
pH	0.5

GLICERINA (56-81-5)	
pH	7 (6 – 8)

Serious eye damage/irritation : Causes serious eye damage.  
pH: 4 ± 0,5

peracetic acid (79-21-0)	
pH	0.5

GLICERINA (56-81-5)	
pH	7 (6 – 8)

Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
STOT-single exposure : Not classified

peracetic acid (79-21-0)	
STOT-single exposure	May cause respiratory irritation.

Cocamidopropyl betaine (97862-59-4)	
NOAEL (oral, rat)	300 mg/kg bodyweight

STOT-repeated exposure : Not classified  
Aspiration hazard : Not classified

MIDA AGRI 812 PRE OX	
Viscosity, kinematic	≈ 5 mm²/s at 20 °C

peracetic acid (79-21-0)	
Viscosity, kinematic	1.5 mm²/s (20°C)

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.  
Hazardous to the aquatic environment, short-term (acute) : Not classified  
Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.

peracetic acid (79-21-0)	
LC50 - Fish [1]	1.1 mg/l

EC50 - Crustacea [1]	0.73 mg/l
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ErC50 algae	0.05 mg/l (Selenastrum capricornutum)
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NOEC (chronic)	0.0121 mg/l
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NOEC chronic algae	(Selenastrum capricornutum)
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Cocamidopropyl betaine (97862-59-4)	
LC50 - Fish [1]	1.11 mg/l

LC50 - Fish [2]	1.1 mg/l
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EC50 - Crustacea [1]	1.9 mg/l
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ErC50 algae	2.4 mg/l
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NOEC chronic fish	0.135 mg/l
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<b>Cocamidopropyl betaine (97862-59-4)</b>	
NOEC chronic algae	0.6 mg/l
<b>Alcohol ethoxylate (157627-86-6)</b>	
LC50 - Fish [1]	1 – 10 mg/l
EC50 - Crustacea [1]	1 – 10 mg/l
ErC50 other aquatic plants	1 – 10 mg/l
NOEC chronic crustacea	> 0.1 (≤ 1) mg/l
<b>GLICERINA (56-81-5)</b>	
LC50 - Fish [1]	> 5000 mg/l <i>Carassius auratus</i>
EC50 - Crustacea [1]	> 10000 mg/l
<b>Secondary alcanesulfonate, sodium salt (97489-15-1)</b>	
LC50 - Fish [1]	5.5 mg/l Test organisms (species): <i>Leuciscus idus melanotus</i>
LC50 - Fish [2]	8.4 mg/l Test organisms (species): <i>Leuciscus idus melanotus</i>
EC50 - Crustacea [1]	9.81 mg/l ( <i>Daphnia magna</i> )
EC50 - Crustacea [2]	9.8 mg/l Test organisms (species): <i>Daphnia magna</i>
EC50 72h - Algae [1]	> 61 mg/l ( <i>Desmodesmus subspicatus</i> )
EC50 72h - Algae [2]	> 100 mg/l Test organisms (species): <i>Desmodesmus subspicatus</i> (previous name: <i>Scenedesmus subspicatus</i> )
LOEC (chronic)	1.6 mg/l Test organisms (species): <i>Daphnia magna</i> Duration: '22 d'
NOEC chronic fish	0.85 mg/l ( <i>Oncorhynchus mykiss</i> (rainbow trout))
NOEC chronic crustacea	0.36 mg/l <i>Daphnia magna</i> (Water flea)
<b>12.2. Persistence and degradability</b>	
<b>MIDA AGRI 812 PRE OX</b>	
Persistence and degradability	The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
<b>peracetic acid (79-21-0)</b>	
Persistence and degradability	Biodegradable, OECD 301E method (Ready biodegradability: Modified OECD Screening Test).
<b>Cocamidopropyl betaine (97862-59-4)</b>	
Persistence and degradability	Rapidly degradable
<b>Alcohol ethoxylate (157627-86-6)</b>	
Persistence and degradability	Readily biodegradable, according to appropriate OECD test.
Biodegradation	≥ 90 % (mod. OECD 303A)
<b>GLICERINA (56-81-5)</b>	
Persistence and degradability	Biodegradable.
<b>Secondary alcanesulfonate, sodium salt (97489-15-1)</b>	
Persistence and degradability	Rapidly degradable
<b>12.3. Bioaccumulative potential</b>	
<b>peracetic acid (79-21-0)</b>	
Bioaccumulative potential	Not established.
<b>Alcohol ethoxylate (157627-86-6)</b>	
Partition coefficient n-octanol/water (Log Kow)	< 4



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### GLICERINA (56-81-5)

Bioaccumulative potential

Not known.

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

##### Component

Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII

GLICERINA (56-81-5)

Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII

GLICERINA (56-81-5)

#### 12.6. Endocrine disrupting properties

No additional information available

#### 12.7. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Regional legislation (waste)

: Disposal must be done according to official regulations.

Waste treatment methods

: Dispose of contents/container in accordance with licensed collector's sorting instructions.

Sewage disposal recommendations

: Disposal must be done according to official regulations.

Product/Packaging disposal recommendations

: Completely empty the packaging prior to decontamination. Disposal must be done according to official regulations.

Additional information

: Do not re-use empty containers.

Waste / unused products

: Collect all waste in suitable and labelled containers and dispose according to local legislation.

HP Code

: HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.

### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

ADR	IMDG	IATA
<b>14.1. UN number or ID number</b>		
Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>		
Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>		
Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>		
Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>		
Not applicable	Not applicable	Not applicable
No supplementary information available		

#### 14.6. Special precautions for user

##### Overland transport

Not applicable

##### Transport by sea

Not applicable

##### Air transport

Not applicable

#### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### 15.1.1. EU-Regulations

###### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

###### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

###### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

###### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

###### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

###### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

###### Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

###### Detergent Regulation (648/2004)

Labelling of contents	
Component	%
amphoteric surfactants, non-ionic surfactants, anionic surfactants	<5%
METHYLCHLOROISOTHIAZOLINONE (AND) METHYLISOTHIAZOLINONE	

###### Explosives Precursors Regulation (2019/1148)

Contains substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)  
Please see [https://home-affairs.ec.europa.eu/policies/internal-security/counter-terrorism-and-radicalisation/protection/legislation-chemicals-used-home-made-explosives\\_en](https://home-affairs.ec.europa.eu/policies/internal-security/counter-terrorism-and-radicalisation/protection/legislation-chemicals-used-home-made-explosives_en)

###### Drug Precursors Regulation (273/2004)

Contains substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

##### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

**For the following substances of this mixture a chemical safety assessment has been carried out:**

peracetic acid

### SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
	Review date	Modified	
	Supersedes	Modified	
	UN-No. (RID)	Removed	
	Danger labels (ADN)	Removed	
	Proper Shipping Name (RID)	Removed	
	Hazard identification number (RID)	Removed	
	Colis express (express parcels) (RID)	Removed	
	Special provisions for carriage – Packages (RID)	Removed	
	Transport category (RID)	Removed	

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Indication of changes			
Section	Changed item	Change	Comments
	Tank codes for RID tanks (RID)	Removed	
	Portable tank and bulk container special provisions (RID)	Removed	
	Portable tank and bulk container instructions (RID)	Removed	
	Mixed packing provisions (RID)	Removed	
	Packing instructions (RID)	Removed	
	Limited quantities (RID)	Removed	
	Special provisions (RID)	Removed	
	Packing group (RID)	Removed	
	Classification code (RID)	Removed	
	Special provisions (IATA)	Removed	
	CAO max net quantity (IATA)	Removed	
	CAO packing instructions (IATA)	Removed	
	PCA max net quantity (IATA)	Removed	
	PCA packing instructions (IATA)	Removed	
	PCA limited quantity max net quantity (IATA)	Removed	
	PCA Limited quantities (IATA)	Removed	
	Danger labels (IATA)	Removed	
	Proper Shipping Name (IATA)	Removed	
	Proper Shipping Name (IMDG)	Removed	
	Danger labels (IMDG)	Removed	
	Limited quantities (IMDG)	Removed	
	IBC packing instructions (IMDG)	Removed	
	Special provisions (IMDG)	Removed	
	Special provisions for carriage - Packages (ADR)	Removed	
	Tank code (ADR)	Removed	
	Portable tank and bulk container special provisions (ADR)	Removed	
	Portable tank and bulk container instructions (ADR)	Removed	
	Mixed packing provisions (ADR)	Removed	
	Packing instructions (ADR)	Removed	
	Vehicle for tank carriage	Removed	
2.1	Adverse physicochemical, human health and environmental effects	Modified	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified	
2.2	Precautionary statements (CLP)	Modified	
2.2	Hazard statements (CLP)	Modified	
3	Composition/information on ingredients	Modified	
4.1	Skin contact	Modified	
4.1	Ingestion	Modified	
4.2	Acute effects oral route	Added	

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Indication of changes			
Section	Changed item	Change	Comments
4.2	Acute effects inhalation	Added	
4.2	Acute effects skin	Modified	
5.1	Unsuitable extinguishing media	Added	
5.2	Fire hazard	Added	
5.2	Explosion hazard	Added	
5.3	Firefighting instructions	Added	
5.3	EAC code	Removed	
6.1	General measures	Added	
6.1	Protective equipment	Added	
6.1	Emergency procedures	Added	
6.3	For containment	Added	
7.1	Additional hazards when processed	Added	
7.1	Hygiene measures	Modified	
7.2	Packaging materials	Added	
7.2	Technical measures	Added	
7.2	Incompatible materials	Removed	
7.2	Storage conditions	Modified	
8.2	Personal protective equipment	Added	
9.1	Flash point	Modified	
9.1	Density	Modified	
10.5	Material(s) to avoid	Modified	
13.1	Regional legislation (waste)	Added	
13.1	Additional information	Added	
13.1	Sewage disposal recommendations	Added	
13.1	HP Code	Modified	
13.1	Product/Packaging disposal recommendations	Modified	
14.1	UN-No. (ADN)	Removed	
14.1	UN-No. (ADR)	Removed	
14.1	UN-No. (IMDG)	Removed	
14.1	UN-No. (IATA)	Removed	
14.2	Proper Shipping Name (ADN)	Removed	
14.2	Proper shipping name	Removed	
14.3	Danger labels (RID)	Removed	
14.3	Danger labels (ADR)	Removed	
14.3	Class (ADR)	Removed	
14.4	Packing group (ADN)	Removed	
14.4	Packing group (IATA)	Removed	
14.4	Packing group (IMDG)	Removed	
14.4	Packing group (ADR)	Removed	
14.6	Packing instructions (IMDG)	Removed	
14.6	Transport category (ADR)	Removed	
14.6	Special provisions (ADR)	Removed	

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Indication of changes			
Section	Changed item	Change	Comments
14.6	APP code	Removed	
14.6	Limited quantities (ADR)	Removed	
14.6	Tunnel code	Removed	
14.6	Hazard identification number (Kemler No.)	Removed	
14.6	Classification code (ADR)	Removed	

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

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Other information : It is recommended to pass the information from this safety data sheet in an appropriate form to the users. The information is currently to the best of our knowledge and believed to be accurate and reliable. This information relates to the specifically named product and may not be valid in combination with other products.  
This safety data sheet is in compliance with 1907/2006/EEC. It is the responsibility of the user to take all necessary measures to meet local required laws and regulations. The producer is not responsible for any damage and loss due to the use of information mentioned in this safety data sheet.

Full text of H- and EUH-statements:	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H226	Flammable liquid and vapour.
H242	Heating may cause a fire.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Org. Perox. D	Organic Peroxides, Type D
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Eye Dam. 1	H318	Calculation method
Aquatic Chronic 3	H412	Calculation method

Safety Data Sheet (SDS), EU  
This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.