

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Product name : Mida CHRIOX 5  
Product code : 555  
Type of product : Biocidal products (e.g. Disinfectants, pest control)  
Product group : Mixture

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

##### 1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use  
Use of the substance/mixture : Biocide  
Use of the substance/mixture : Stabilised mixture of peracetic acid, hydrogen peroxide, acetic acid and water

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

##### Manufacturer

Christeyns NV  
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[UK-foodinfo@christeyns.com](mailto:UK-foodinfo@christeyns.com), [www.christeyns.com](http://www.christeyns.com)

#### 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]

Oxidising Liquids, Category 2 H272  
Corrosive to metals, Category 1 H290  
Acute toxicity (oral), Category 4 H302  
Acute toxicity (inhalation:dust,mist) Category 4 H332  
Skin corrosion/irritation, Category 1, Sub-Category 1B H314  
Serious eye damage/eye irritation, Category 1 H318  
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation H335

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Hazardous to the aquatic environment – Chronic Hazard, H410  
Category 1

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

### Adverse physicochemical, human health and environmental effects

No additional information available

### 2.2. Label elements

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

Hazard pictograms (CLP)



CLP Signal word

: Danger

Contains

: peracetic acid; Hydrogen peroxide

Hazard statements (CLP)

: H272 - May intensify fire; oxidiser.  
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 (CLP)

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P234 - Keep only in original packaging.  
P260 - Do not breathe vapours, Mist, Spray.  
P280 - Wear protective gloves, protective clothing, eye protection, face protection.  
P284 - Wear respiratory protection.  
P303+P361+P353+P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor.  
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 POISON CENTER or doctor.  
P403+P235 - Store in a well-ventilated place. Keep cool.

EUH-statements

: EUH071 - Corrosive to the respiratory tract.

### 2.3. Other hazards

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

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]
Hydrogen peroxide substance with national workplace exposure limit(s) (BE, BG, CZ, DK, EE, ES, FI, FR, GB, GR, HR, IE, LT, PL, PT, SE, SK, IS, NO, CH)	CAS-no: 7722-84-1 Einecs nr: 231-765-0 EG annex nr: 008-003-00-9 REACH-no: 01-2119485845-22	10 – 30	Ox. Liq. 1, H271 Acute Tox. 4 (Oral), H302 (ATE=431 mg/kg bodyweight) Acute Tox. 4 (Inhalation), H332 (ATE=1.5 mg/l/4h) Acute Tox. 4 (Inhalation:dust,mist), H332 (ATE=1.5 mg/l/4h) Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Chronic 3, H412
Acetic acid substance with national workplace exposure limit(s) (BE, BG, CZ, DE, DK, EE, ES, FI, FR, GB, GI, GR, HR, HU, IE, LT, LU, LV, MT, PL, PT, RO, SE, SI, SK, NO, CH, TR)	CAS-no: 64-19-7 Einecs nr: 200-580-7 EG annex nr: 607-002-00-6 REACH-no: 01-2119475328-30	5 – 10	Flam. Liq. 3, H226 Skin Corr. 1A, H314

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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	3 – 5	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 (%)
Hydrogen peroxide	CAS-no: 7722-84-1 Einecs nr: 231-765-0 EG annex nr: 008-003-00-9 REACH-no: 01-2119485845-22	(5 ≤ C < 8) Eye Irrit. 2, H319 (8 ≤ C < 50) Eye Dam. 1, H318 (35 ≤ C < 100) STOT SE 3, H335 (35 ≤ C < 50) Skin Irrit. 2, H315 (50 ≤ C < 70) Skin Corr. 1B, H314 (50 ≤ C < 70) Ox. Liq. 2, H272 (63 ≤ C < 100) Aquatic Chronic 3, H412 (70 ≤ C < 100) Skin Corr. 1A, H314 (70 ≤ C < 100) Ox. Liq. 1, H271
Acetic acid	CAS-no: 64-19-7 Einecs nr: 200-580-7 EG annex nr: 607-002-00-6 REACH-no: 01-2119475328-30	(10 ≤ C < 25) Eye Irrit. 2, H319 (10 ≤ C < 25) Skin Irrit. 2, H315 (25 ≤ C < 90) Skin Corr. 1B, H314 (90 ≤ C ≤ 100) Skin Corr. 1A, H314
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	: In all cases of doubt, or when symptoms persist, seek medical attention.
Inhalation	: Remove person to fresh air and keep comfortable for breathing. Give oxygen or artificial respiration if necessary.
Skin contact	: Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER/doctor.
Eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
Ingestion	: Rinse mouth out with water. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

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

Acute effects inhalation	: Inhalation may cause irritation (cough, short breathing, difficulty in breathing).
Acute effects skin	: Burns. irritation (itching, redness, blistering).
Acute effects eyes	: Corrosive to eyes. redness, itching, tears.
Acute effects oral route	: Harmful if swallowed. Burns to the gastric/intestinal mucosa. May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

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

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : water in large amounts.

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

Fire hazard : May cause fire or explosion; strong oxidiser.

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Explosion hazard : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

### 5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

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

General measures : Evacuate area.

#### 6.1.1. For non-emergency personnel

No additional information available

#### 6.1.2. For emergency responders

Protective equipment : Wear recommended personal protective equipment.

### 6.2. Environmental precautions

Avoid release to the environment. Prevent liquid from entering sewers, watercourses, underground or low areas. Notify authorities if product enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Do not absorb in sawdust, paper, cloth or other combustible absorbents. Clean contaminated surfaces with an excess of water.

### 6.4. Reference to other sections

See Section 8.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : May be corrosive to metals.

Precautions for safe handling : Use only outdoors or in a well-ventilated area. Never return unused material to original container. Handle in accordance with good industrial hygiene and safety procedures. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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

Storage conditions : Keep away from ignition sources. Store in a well-ventilated place. Keep cool. Store in original container.

Incompatible products : Strong bases. Strong acids.

Storage temperature : < 35 °C

Material(s) to avoid : Never mix with other materials.

Packaging materials : Keep only in the original container in a cool, well-ventilated place away from combustible materials.

### 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 (Inhalable Fraction and Vapour)
Regulatory reference	Chemical Agents Code of Practice 2021
Acetic acid (64-19-7)	
Ireland - Occupational Exposure Limits	
Local name	Acetic acid
OEL TWA	25 mg/m <sup>3</sup>
	10 ppm
OEL STEL	37 mg/m <sup>3</sup>

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<b>Acetic acid (64-19-7)</b>	
	15 ppm
Remark	IOELV (Indicative Occupational Exposure Limit Values)
Regulatory reference	Chemical Agents Code of Practice 2021
<b>United Kingdom - Occupational Exposure Limits</b>	
Local name	Acetic acid
WEL TWA (OEL TWA)	25 mg/m <sup>3</sup>
	10 ppm
WEL STEL (OEL STEL)	50 mg/m <sup>3</sup>
	20 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
<b>Hydrogen peroxide (7722-84-1)</b>	
<b>Ireland - Occupational Exposure Limits</b>	
Local name	Hydrogen peroxide
OEL TWA	1.5 mg/m <sup>3</sup>
	1 ppm
OEL STEL	3 mg/m <sup>3</sup>
	2 ppm
Regulatory reference	Chemical Agents Code of Practice 2021
<b>United Kingdom - Occupational Exposure Limits</b>	
Local name	Hydrogen peroxide
WEL TWA (OEL TWA)	1.4 mg/m <sup>3</sup>
	1 ppm
WEL STEL (OEL STEL)	2.8 mg/m <sup>3</sup>
	2 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

<b>peracetic acid (79-21-0)</b>	
<b>DNEL/DMEL (Workers)</b>	
Acute - systemic effects, dermal	High health hazard.
Acute - systemic effects, inhalation	0.6 mg/m <sup>3</sup>
Acute - local effects, dermal	0.12 % in mixture
Acute - local effects, inhalation	0.6 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	High health hazard.
Long-term - local effects, dermal	High health hazard.
Long-term - systemic effects, inhalation	0.6 mg/m <sup>3</sup>
Long-term - local effects, inhalation	0.6 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Acute - systemic effects, inhalation	0.6
Acute - local effects, inhalation	0.3 mg/m <sup>3</sup>
Long-term - systemic effects, inhalation	0.6 mg/m <sup>3</sup>

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peracetic acid (79-21-0)	
Long-term - local effects, inhalation	0.6 mg/m <sup>3</sup>
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	0.000224 mg/l
PNEC aqua (marine water)	Testing technically not feasible
PNEC aqua (intermittent, freshwater)	Testing technically not feasible
PNEC aqua (intermittent, marine water)	Testing technically not feasible
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	0.00018 mg/kg dwt
PNEC sediment (marine water)	Testing technically not feasible
<b>PNEC (Soil)</b>	
PNEC soil	0.32 mg/kg dwt
<b>PNEC (Oral)</b>	
PNEC oral (secondary poisoning)	Not potentially bioaccumulable
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	0.051 mg/l

### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

No additional information available

#### 8.2.2. Personal protection equipment

##### Personal protective equipment:

ISO 374-1. ISO 16321-1. EN 13034. ISO 13688. EN 14387.

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



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Safety glasses with side shields (EN 166)

Eye protection			
Type	Field of application	Characteristics	Standard
			EN 166

#### 8.2.2.2. Skin protection

##### Protective equipment:

Wear suitable protective clothing minimum (EN 13034) Type 6 equipment. Long sleeved protective clothing

Protective equipment	
Type	Standard
	EN 13034

##### Hand protection:

Chemical resistant PVC gloves (to European standard EN 374 or equivalent)

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Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
	Nitrile rubber (NBR)	6 (> 480 minutes)	0,4		EN ISO 374-1

Other skin protection Materials for protective clothing		
Condition	Material	Standard
		EN 13034

### 8.2.2.3. Respiratory protection

#### Respiratory protection:

In case of insufficient ventilation wear suitable respiratory equipment. Extra personal protection: A/P2 filter respirator for organic vapour and harmful dust

Respiratory protection			
Device	Filter type	Condition	Standard
	EN 14387		EN 140

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: Colourless.
Physical state/form	: Liquid.
Odour	: acrid and pungent.
Odour threshold	: Not available
Melting point/range	: Not determined as it is not relevant for the characterization of the product
Freezing point	: Not determined as it is not relevant for the characterization of the product
Boiling point/Boiling range	: $\geq 100$ °C
Flammability	: Non flammable.
Explosive properties	: Heating may cause a fire.
Lower explosion limit	: Constituents do not contain chemical groups associated with explosivity
Upper explosion limit	: Constituents do not contain chemical groups associated with explosivity
Flash point	: > 96 °C
Autoignition temperature	: Determination of the auto-ignition temperature is only relevant for pyrophoric liquids, however the mixture is not a pyrophoric liquid so the test is not required.
Decomposition temperature	: Only applies to self-reactive substances and mixtures, organic peroxides, and other substances and mixtures that may decompose.
pH	: 0.5
pH solution concentration	: 100
Viscosity, kinematic	: 1.044 mm <sup>2</sup> /s at 20 °C
Viscosity, dynamic	: < 30 mPa·s
Solubility	: Water: Soluble
Partition coefficient n-octanol/water (Log Kow)	: Does not apply to inorganic and ionic liquids and does not generally apply to mixtures.
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: 1.1 kg/l
Relative density	: 1.115
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

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### 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

No additional information available

### 10.2. Chemical stability

Stable in use and storage conditions as recommended in item 7.

### 10.3. Possibility of hazardous reactions

Contact with alkaline products gives exothermic reaction. Heating may cause a fire or explosion.

### 10.4. Conditions to avoid

Direct sunlight. Heat. Sparks. Open flame.

### 10.5. Incompatible materials

Iron or steel. Copper and copper alloys. Galvanized steel. Strong acids. Strong bases. metals. Organic materials. Never mix with other materials.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

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

Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified.
Acute toxicity (inhalation)	: Inhalation:dust,mist: Harmful if inhaled.
Additional information	: Irritating to the respiratory system, may cause throat pain and cough May perforate the oesophagus or the digestive tract Harmful in contact with skin. Skin corrosion/irritation irritation of mucous membranes

Mida CHRIOX 5	
ATE CLP (oral)	1015.232 mg/kg
ATE CLP (dust,mist)	1.5 mg/l
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
Acetic acid (64-19-7)	
LD50 oral	3310 mg/kg bodyweight
LC50 Inhalation - Rat (Vapours)	> 40000 mg/l/4h
Hydrogen peroxide (7722-84-1)	
LD50 oral rat	431 mg/kg
LD50 dermal rabbit	6440 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	1.5 mg/l/4h
LC50 Inhalation - Rat (Vapours)	11 mg/l/4h
Skin corrosion/irritation	: Causes severe skin burns. pH: 0.5
peracetic acid (79-21-0)	
pH	0.5
Acetic acid (64-19-7)	
pH	2.5



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Serious eye damage/irritation : Causes serious eye damage.  
pH: 0.5

peracetic acid (79-21-0)	
pH	0.5

Acetic acid (64-19-7)	
pH	2.5

Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified

Hydrogen peroxide (7722-84-1)	
IARC group	3 - Not classifiable

Reproductive toxicity : Not classified  
Additional information : Based on available data, the classification criteria are not met  
STOT-single exposure : May cause respiratory irritation.

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

Hydrogen peroxide (7722-84-1)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure : Not classified

Hydrogen peroxide (7722-84-1)	
NOAEC (inhalation, rat, vapour, 90 days)	7 mg/l

Aspiration hazard : Not classified  
Additional information : Based on available data, the classification criteria are not met

Mida CHRIOX 5	
Viscosity, kinematic	1.044 mm <sup>2</sup> /s at 20 °C

peracetic acid (79-21-0)	
Viscosity, kinematic	1.5 mm <sup>2</sup> /s (20°C)

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Very toxic 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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Acetic acid (64-19-7)	
LC50 - Fish [1]	> 1000 mg/l

EC50 - Crustacea [1]	> 300 mg/l
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EC50 - Other aquatic organisms [1]	> 1000 mg/l waterflea
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ErC50 algae	> 300 mg/l
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Hydrogen peroxide (7722-84-1)	
LC50 - Fish [1]	16.4 mg/l
EC50 - Crustacea [1]	2.4 mg/l
EC50 72h - Algae [1]	2.62 mg/l
ErC50 algae	1.38 mg/l
NOEC chronic crustacea	0.63 mg/l

### 12.2. Persistence and degradability

Mida CHRIOX 5	
Persistence and degradability	Rapidly degradable

peracetic acid (79-21-0)	
Persistence and degradability	Biodegradable, OECD 301E method (Ready biodegradability: Modified OECD Screening Test).

Acetic acid (64-19-7)	
Persistence and degradability	Readily biodegradable.

Hydrogen peroxide (7722-84-1)	
Persistence and degradability	Biodegradable.

### 12.3. Bioaccumulative potential

Mida CHRIOX 5	
Partition coefficient n-octanol/water (Log Kow)	Does not apply to inorganic and ionic liquids and does not generally apply to mixtures.

peracetic acid (79-21-0)	
Bioaccumulative potential	Not established.

Acetic acid (64-19-7)	
Log Pow	-0.2
Bioaccumulative potential	No bioaccumulation.

Hydrogen peroxide (7722-84-1)	
Log Pow	-1.6
Bioaccumulative potential	No bioaccumulation.

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

Additional information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste / unused products : Collect all waste in suitable and labelled containers and dispose according to local legislation.

European List of Waste (LoW, EC 2000/532) : 20 01 14\* - acids

## SECTION 14: Transport information




In accordance with ADR / IMDG / IATA

ADR	IMDG	IATA
<b>14.1. UN number or ID number</b>		
UN 3149	UN 3149	UN 3149

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ADR	IMDG	IATA
<b>14.2. UN proper shipping name</b>		
HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE STABILIZED	HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE STABILIZED	Hydrogen peroxide and peroxyacetic acid mixture stabilized
<b>Transport document description</b>		
UN 3149 HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE STABILIZED, 5.1 (8), II, (E), ENVIRONMENTALLY HAZARDOUS	UN 3149 HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE STABILIZED, 5.1 (8), II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 3149 Hydrogen peroxide and peroxyacetic acid mixture stabilized, 5.1 (8), II, ENVIRONMENTALLY HAZARDOUS
<b>14.3. Transport hazard class(es)</b>		
5.1 (8)	5.1 (8)	5.1 (8)
		
<b>14.4. Packing group</b>		
II	II	II
<b>14.5. Environmental hazards</b>		
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes
No supplementary information available		

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR)	: OC1
Special provisions (ADR)	: 196, 553
Limited quantities (ADR)	: 1I
Packing instructions (ADR)	: P504, IBC02
Special packing provisions (ADR)	: PP10, B5
Mixed packing provisions (ADR)	: MP15
Portable tank and bulk container instructions (ADR)	: T7
Portable tank and bulk container special provisions (ADR)	: TP2, TP6, TP24
Tank code (ADR)	: L4BV(+)
Tank special provisions (ADR)	: TU3, TC2, TE8, TE11, TT1
Vehicle for tank carriage	: AT
Transport category (ADR)	: 2
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV24
Hazard identification number (Kemler No.)	: 58
Orange plates	: 
Tunnel code	: E
EAC code	: 2P

#### Transport by sea

Special provisions (IMDG)	: 196
Limited quantities (IMDG)	: 1 L
Packing instructions (IMDG)	: P504
Special packing provisions (IMDG)	: PP10
IBC packing instructions (IMDG)	: IBC02

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IBC special provisions (IMDG) : B5

### Air transport

PCA Limited quantities (IATA) : Y540

PCA limited quantity max net quantity (IATA) : 0.5L

PCA packing instructions (IATA) : 550

PCA max net quantity (IATA) : 1L

CAO packing instructions (IATA) : 554

CAO max net quantity (IATA) : 5L

Special provisions (IATA) : A96

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

Not applicable

## 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.

##### 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)

#### ANNEX I RESTRICTED EXPLOSIVES PRECURSORS

List of substances which are not to be made available to, or introduced, possessed or used by, members of the general public, whether on their own or in mixtures or substances that include those substances, unless the concentration is equal to or lower than the limit values set out in column 2, and for which suspicious transactions and significant disappearances and thefts are to be reported within 24 hours.

Name	CAS-No.	Limit value	Upper limit value for licensing under Article 5(3)	Combined Nomenclature (CN) code for a separate chemically defined compound meeting the requirements of Note 1 to Chapter 28 or 29 of the CN, respectively	Combined Nomenclature code for mixture without constituents which would determine classification under another CN code
Hydrogen peroxide	7722-84-1	12 % w/w	35% w/w	2847 00 00	ex 3824 99 96

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

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### 15.2. Chemical safety assessment

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

peracetic acid

### SECTION 16: Other information

Abbreviations and acronyms:	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
ErC50 (algae)	ErC50 (algae)
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
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
SDS	Safety Data Sheet
STP	Sewage treatment plant
vPvB	Very Persistent and Very Bioaccumulative

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 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) 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
EUH071	Corrosive to the respiratory tract.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2

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Full text of H- and EUH-statements:	
Flam. Liq. 3	Flammable liquids, Category 3
H226	Flammable liquid and vapour.
H242	Heating may cause a fire.
H271	May cause fire or explosion; strong oxidiser.
H272	May intensify fire; oxidiser.
H290	May be corrosive to metals.
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
Ox. Liq. 1	Oxidising Liquids, Category 1
Ox. Liq. 2	Oxidising Liquids, Category 2
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
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]:		
Ox. Liq. 2	H272	Expert judgement
Met. Corr. 1	H290	Calculation method
Acute Tox. 4 (Oral)	H302	Calculation method
Acute Tox. 4 (Inhalation:dust,mist)	H332	Expert judgement
Skin Corr. 1B	H314	Expert judgement
Eye Dam. 1	H318	Expert judgement
STOT SE 3	H335	Calculation method
Aquatic Chronic 1	H410	Expert judgement

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.