

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

### 1.1. Product identifier

<b>Trade name or designation of the mixture</b>	HYDREX 7110
<b>Registration number</b>	-
<b>Synonyms</b>	None.
<b>Issue date</b>	24-March-2017
<b>Version number</b>	02
<b>Revision date</b>	25-September-2017
<b>Supersedes date</b>	24-March-2017

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

<b>Identified uses</b>	Biocide
<b>Uses advised against</b>	None known.

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

<b>Supplier</b>	ELGA
<b>Address</b>	Lane End Industrial Park High Wycombe, Buckinghamshire HP14 3BY United Kingdom
<b>Contact person</b>	Technical Support
<b>Telephone</b>	+44 (0) 203 567 7342
<b>Fax</b>	+44 (0) 203 567 7305
<b>e-mail</b>	labwater.tech@veolia.com
<b>National Emergency Number;</b>	+44 1628 897295
<b>Global Emergency Contact</b>	+1-760-476-3961 (Code: 333239)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

#### Classification according to Regulation (EC) No 1272/2008 as amended

##### Physical hazards

Oxidising liquids	Category 2	H272 - May intensify fire; oxidiser.
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##### Health hazards

Acute toxicity, oral	Category 4	H302 - Harmful if swallowed.
Acute toxicity, dermal	Category 4	H312 - Harmful in contact with skin.
Acute toxicity, inhalation	Category 4	H332 - Harmful if inhaled.
Skin corrosion/irritation	Category 1B	H314 - Causes severe skin burns and eye damage.
Specific target organ toxicity - single exposure	Category 3 respiratory tract irritation	H335 - May cause respiratory irritation.

##### Environmental hazards

Hazardous to the aquatic environment, acute aquatic hazard	Category 1	H400 - Very toxic to aquatic life.
Hazardous to the aquatic environment, long-term aquatic hazard	Category 1	H410 - Very toxic to aquatic life with long lasting effects.

### Hazard summary

Contact with combustible material may cause fire. Harmful if swallowed. Causes severe skin and eye burns. Harmful if inhaled. Harmful by inhalation. Harmful in contact with skin. Harmful if swallowed. Occupational exposure to the substance or mixture may cause adverse health effects.

### 2.2. Label elements

**Label according to Regulation (EC) No. 1272/2008 as amended****Contains:** Hydrogen peroxide, Peroxyacetic Acid**Hazard pictograms****Signal word** Warning**Hazard statements**

H272 May intensify fire; oxidiser.  
 H302 Harmful if swallowed.  
 H312 Harmful in contact with skin.  
 H314 Causes severe skin burns and eye damage.  
 H314 Causes severe skin burns and eye damage.  
 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.

**Precautionary statements****Prevention**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P270 Do not eat, drink or smoke when using this product.  
 P271 Use only outdoors or in a well-ventilated area.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Response**

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/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.  
 P310 Immediately call a POISON CENTRE or doctor/physician.  
 P391 Collect spillage.

**Storage**

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

**Disposal**

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Supplemental label information**

None.

**2.3. Other hazards**

None known.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****General information**

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Hydrogen peroxide	23 - < 30	7722-84-1 231-765-0	01-2119485845-22-XXXX	008-003-00-9	
<b>Classification:</b>					B
					Ox. Liq. 1;H271, Acute Tox. 4;H302, Skin Corr. 1A;H314, Acute Tox. 4;H332, STOT SE 3;H335, Aquatic Chronic 2;H411
Acetic acid	10 - < 15	64-19-7 200-580-7	01-2119475328-30-XXXX	607-002-00-6	#
<b>Classification:</b>					B
					Flam. Liq. 3;H226, Skin Corr. 1A;H314
Peroxyacetic Acid	2 - < 5	79-21-0 201-186-8	01-2119531330-56-XXXX	607-094-00-8	
<b>Classification:</b>					B,D
					Flam. Liq. 3;H226, Org. Perox. D;H242, Acute Tox. 4;H302, Acute Tox. 4;H312, Skin Corr. 1A;H314, Acute Tox. 4;H332, Aquatic Acute 1;H400
Other components below reportable levels	50 - < 70				

## List of abbreviations and symbols that may be used above

DSD: Directive 67/548/EEC.

CLP: Regulation No. 1272/2008.

#: This substance has been assigned Union workplace exposure limit(s).

#: This substance has been assigned Community workplace exposure limit(s).

M: M-factor

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

**Composition comments** The full text for all R- and H-phrases is displayed in section 16. The full text for all H-statements is displayed in section 16.

## SECTION 4: First aid measures

**General information** Contact with combustible material may cause fire. In case of shortness of breath, give oxygen. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Keep victim warm. Do not use mouth-to-mouth method if victim ingested the substance.

### 4.1. Description of first aid measures

**Inhalation** Move to fresh air. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Get medical attention immediately.

**Skin contact** IF ON CLOTHING: rinse immediately contaminated clothing and skin with plenty of water before removing clothes. Immediately flush skin with plenty of water. Get medical attention immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse. Wash clothing separately before reuse.

**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

**Ingestion** IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician. Rinse mouth thoroughly. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

**4.2. Most important symptoms and effects, both acute and delayed** Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. May cause respiratory irritation.

**4.3. Indication of any immediate medical attention and special treatment needed** Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Oxygen, if needed. Keep victim warm. Symptoms may be delayed.

## SECTION 5: Firefighting measures

**General fire hazards** May intensify fire; oxidiser. Contact with combustible material may cause fire. This product is not flammable.

### 5.1. Extinguishing media

**Suitable extinguishing media** Water fog. Dry chemical powder.

**Unsuitable extinguishing media** None known.

**5.2. Special hazards arising from the substance or mixture** Greatly increases the burning rate of combustible materials. Containers may explode when heated. During fire, gases hazardous to health may be formed. Will ignite combustible materials (wood, paper, oil, debris, etc.) Burning may produce thick, irritating smoke. Irritating and/or toxic gases may be emitted upon the products decomposition.

### 5.3. Advice for firefighters

**Special protective equipment for firefighters** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Special fire fighting procedures** Avoid breathing fire vapours.

**Specific methods** In the event of fire and/or explosion do not breathe fumes.

## SECTION 6: Accidental release measures

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

#### For non-emergency personnel

Keep unnecessary personnel away. Keep upwind. Keep away from clothing and other combustible materials. Keep out of low areas. A vapour-suppressing foam may be used to reduce vapour. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapour. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Avoid contact with skin and eyes.

#### For emergency responders

Keep unnecessary personnel away.

### 6.2. Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Avoid discharge into drains, water courses or onto the ground.

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

Use water spray to reduce vapours or divert vapour cloud drift. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Ventilate the contaminated area. Neutralize with lime or soda ash. Wear appropriate protective equipment and clothing during clean-up.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. Prevent runoff from entering drains, sewers, or streams. Clean preferably with a detergent, do not use solvents.

### 6.4. Reference to other sections

Not available.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid forming spray/aerosol mists. Avoid inhalation of vapours. Eye wash facilities and emergency shower must be available when handling this product. All handling to take place in well-ventilated area. Keep away from combustible material. Do not get in eyes, on skin, or on clothing. Avoid inhalation of vapours and spray mists. Avoid prolonged exposure. When using, do not eat, drink or smoke. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.

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

Store in a place accessible by authorised persons only. Do not store around flammable or combustible materials. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep away from food, drink and animal feeding stuffs. Store in cool, dry place.

### 7.3. Specific end use(s)

Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value
Hydrogen peroxide (CAS 7722-84-1)	STEL	2.8 mg/m <sup>3</sup>
	TWA	2 ppm
		1.4 mg/m <sup>3</sup>
		1 ppm

##### EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU

Components	Type	Value
Acetic acid (CAS 64-19-7)	TWA	25 mg/m <sup>3</sup>
		10 ppm

#### Biological limit values

No biological exposure limits noted for the ingredient(s).

#### Recommended monitoring procedures

Follow standard monitoring procedures.

#### Derived no effect levels (DNELs)

Not available.

**Predicted no effect concentrations (PNECs)**

Not available.

**8.2. Exposure controls****Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas. Eye wash facilities and emergency shower must be available when handling this product.

**Individual protection measures, such as personal protective equipment****General information**

Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

**Eye/face protection**

Wear safety glasses with side shields (or goggles) and a face shield. Chemical goggles and face shield are recommended. Do not get in eyes. Provide an emergency eye wash fountain and quick drench shower in the immediate work area. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. Contact lenses should not be worn when working with this chemical! Before any handling, wear protective glasses side-shields complying with the NF EN 166.

**Skin protection****- Hand protection**

Rubber (natural, latex). Polyvinyl chloride (PVC). Butyl rubber. Chemical resistant gloves. Nitrile rubber. Suitable gloves can be recommended by the glove supplier. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. Wear protective gloves which comply with the NF EN 374. Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

**- Other**

Do not get this material in contact with skin. Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. In case of splashing, wear protective chemical clothes (class 6) according to the NF EN 13034, in order to avoid any contact with skin. Chemical resistant boots. Apron and long sleeves are recommended. Where splashing is possible, full chemically resistant protective clothing (e.g. acid suit) and boots are required.

**Respiratory protection**

Avoid breathing dust/fume/gas/mist/vapours/spray. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid forming spray/aerosol mists.

**Thermal hazards**

Wear appropriate thermal protective clothing, when necessary.

**Hygiene measures**

Keep from contact with clothing and other combustible materials. Remove and wash contaminated clothing promptly. Do not get in eyes. When using, do not eat, drink or smoke. Do not get this material in contact with skin. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**Environmental exposure controls**

Inform appropriate managerial or supervisory personnel of all environmental releases.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties****Appearance****Physical state**

Liquid.

**Form**

Liquid.

**Colour**

Transparent colourless to pale yellow.

**Odour**

Sharp.

**pH**

&lt; 2

**Melting point/freezing point**

-28 °C (-18.4 °F)

**Initial boiling point and boiling range**

Not available.

**Flash point**

74.0 - 83.0 °C (165.2 - 181.4 °F) Closed cup

**Flammability (solid, gas)**

Not applicable.

**Vapour pressure**

Not available.

**Solubility(ies)****Solubility (water)**

100 %

**Solubility (other)**

Not available.

**Partition coefficient (n-octanol/water)**

Not available.

<b>Decomposition temperature</b>	> 60 °C (> 140 °F) estimated
<b>Viscosity</b>	Not available.
<b>Explosive properties</b>	Not explosive.
<b>Oxidising properties</b>	May intensify fire; oxidiser.
<b>9.2. Other information</b>	
<b>Density</b>	1.09 - 1.11 g/cm <sup>3</sup>
<b>Shelf life</b>	12 months

## SECTION 10: Stability and reactivity

<b>10.1. Reactivity</b>	Keep away from combustible material. Greatly increases the burning rate of combustible materials.
<b>10.2. Chemical stability</b>	Material is stable under normal conditions. Risk of ignition.
<b>10.3. Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>10.4. Conditions to avoid</b>	Heat. Temperatures above 30 °C Contact with incompatible materials. Do not mix with other chemicals. Avoid frost.
<b>10.5. Incompatible materials</b>	Strong oxidising agents. Combustible material.
<b>10.6. Hazardous decomposition products</b>	Toxic gas.

## SECTION 11: Toxicological information

<b>General information</b>	Occupational exposure to the substance or mixture may cause adverse effects.
<b>Information on likely routes of exposure</b>	
<b>Inhalation</b>	Harmful if inhaled.
<b>Skin contact</b>	Causes severe skin burns. Harmful in contact with skin. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.
<b>Eye contact</b>	Causes severe eye burns.
<b>Ingestion</b>	Harmful if swallowed. Harmful if swallowed.
<b>Symptoms</b>	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. May cause respiratory irritation.
<b>11.1. Information on toxicological effects</b>	
<b>Acute toxicity</b>	In high concentrations, vapours are anaesthetic and may cause headache, fatigue, dizziness and central nervous system effects. Causes severe burns. Harmful if inhaled. Harmful in contact with skin. Harmful if swallowed. May cause respiratory irritation.

Product	Species	Test results
HYDREX 7110		
<b>Acute</b>		
<b>Dermal</b>		
<i>Liquid</i>		
LD50	Rat	< 2000 mg/kg
<b>Oral</b>		
<i>Liquid</i>		
LD50	Rat	< 2000 mg/kg
Components	Species	Test results
Acetic acid (CAS 64-19-7)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	1060 mg/kg
<b>Inhalation</b>		
LC50	Guinea pig	5000 ppm, 1 Hours
	Mouse	5620 ppm, 1 Hours
	Rat	11.4 mg/l, 4 Hours
<b>Oral</b>		
LD50	Mouse	4960 mg/kg
	Rabbit	1200 mg/kg

Components	Species	Test results
	Rat	3.31 g/kg
Hydrogen peroxide (CAS 7722-84-1)		
<b>Acute</b>		
<b>Dermal</b>		
<i>Liquid</i>		
LD50	Rabbit	9200 mg/kg
<b>Inhalation</b>		
<i>Liquid</i>		
LC50	Rat	0.17 mg/l
<b>Oral</b>		
<i>Liquid</i>		
LD50	Rat	376 mg/kg

\* Estimates for product may be based on additional component data not shown.

<b>Skin corrosion/irritation</b>	Corrosive to skin and eyes.
<b>Serious eye damage/eye irritation</b>	Causes severe eye burns.
<b>Respiratory sensitisation</b>	Due to partial or complete lack of data the classification is not possible.
<b>Skin sensitisation</b>	Causes severe skin burns.
<b>Germ cell mutagenicity</b>	Due to partial or complete lack of data the classification is not possible.
<b>Carcinogenicity</b>	Due to partial or complete lack of data the classification is not possible.
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>	
Hydrogen peroxide (CAS 7722-84-1)	3 Not classifiable as to carcinogenicity to humans.
<b>Reproductive toxicity</b>	Due to partial or complete lack of data the classification is not possible.
<b>Specific target organ toxicity - single exposure</b>	May cause respiratory irritation.
<b>Specific target organ toxicity - repeated exposure</b>	Due to partial or complete lack of data the classification is not possible.
<b>Aspiration hazard</b>	Due to partial or complete lack of data the classification is not possible.
<b>Mixture versus substance information</b>	No information available.
<b>Other information</b>	Not available.

## SECTION 12: Ecological information

**12.1. Toxicity** Very toxic to aquatic life with long lasting effects.

Product	Species	Test results
HYDREX 7110		
<b>Aquatic</b>		
Fish	LC50	Fish 1232.5 mg/l, 96 hours
Components	Species	Test results

Acetic acid (CAS 64-19-7)			
<b>Aquatic</b>			
Crustacea	EC50	Water flea (Daphnia magna)	65 mg/l, 48 hours
Fish	LC50	Bluegill (Lepomis macrochirus)	75 mg/l, 96 hours
Hydrogen peroxide (CAS 7722-84-1)			
<b>Aquatic</b>			
<i>Acute</i>			
Crustacea	LC50	Daphnia magna	76 mg/l, 24 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	16.4 mg/l, 96 hours

\* Estimates for product may be based on additional component data not shown.

**12.2. Persistence and degradability** The product is biodegradable.

**12.3. Bioaccumulative potential**

Material name: HYDREX 7110

2627 Version #: 02 Revision date: 25-September-2017 Issue date: 24-March-2017

SDS UK

**Partition coefficient  
n-octanol/water (log Kow)**

Acetic acid -0.17

**Bioconcentration factor (BCF)** Not available.

**12.4. Mobility in soil** No data available.

**12.5. Results of PBT  
and vPvB  
assessment** Not available.

**12.6. Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**Residual waste** Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

**EU waste code** Waste codes should be assigned by the user based on the application for which the product was used.

**Disposal  
methods/information** Consult authorities before disposal. This material and its container must be disposed of as hazardous waste. Do not discharge into drains, water courses or onto the ground. Do not contaminate ponds, waterways or ditches with chemical or used container. The packaging must be empty (drop-free, when inverted)

**Special precautions** Dispose in accordance with all applicable regulations.

### SECTION 14: Transport information

#### ADR

**14.1. UN number** UN3149  
**14.2. UN proper shipping  
name** HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE with acid  
**14.3. Transport hazard class(es)**  
**Class** 5.1  
**Subsidiary risk** 8  
**Label(s)** 5.1  
+8  
**Hazard No. (ADR)** 58  
**Tunnel restriction  
code** E  
**14.4. Packing group** II  
**14.5. Environmental  
hazards** No.  
**14.6. Special precautions  
for user** Not available.

#### RID

**14.1. UN number** UN3149  
**14.2. UN proper shipping  
name** HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE with acid  
**14.3. Transport hazard class(es)**  
**Class** 5.1  
**Subsidiary risk** -  
**Label(s)** 5.1+8  
**14.4. Packing group** II  
**14.5. Environmental  
hazards** No.  
**14.6. Special precautions  
for user** Not available.

#### ADN

**14.1. UN number** UN3149  
**14.2. UN proper shipping  
name** Hydrogen Peroxide Peroxyacetic Mixture  
**14.3. Transport hazard class(es)**  
**Class** 5.1  
**Subsidiary risk** 8



<b>Label(s)</b>	5.1+8
<b>14.4. Packing group</b>	II
<b>14.5. Environmental hazards</b>	No.
<b>14.6. Special precautions for user</b>	Not available.

**IATA**

<b>14.1. UN number</b>	UN3149
<b>14.2. UN proper shipping name</b>	Hydrogen peroxide and peroxyacetic acid mixture with acid
<b>14.3. Transport hazard class(es)</b>	
<b>Class</b>	5.1
<b>Subsidiary risk</b>	8
<b>14.4. Packing group</b>	II
<b>14.5. Environmental hazards</b>	No.
<b>ERG Code</b>	5C
<b>14.6. Special precautions for user</b>	Not available.
<b>Other information</b>	
<b>Passenger and cargo aircraft</b>	Allowed with restrictions.
<b>Cargo aircraft only</b>	Allowed with restrictions.

**IMDG**

<b>14.1. UN number</b>	UN3149
<b>14.2. UN proper shipping name</b>	HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE, with acid
<b>14.3. Transport hazard class(es)</b>	
<b>Class</b>	5.1
<b>Subsidiary risk</b>	8
<b>14.4. Packing group</b>	II
<b>14.5. Environmental hazards</b>	
<b>Marine pollutant</b>	No.
<b>EmS</b>	F-H, S-Q
<b>14.6. Special precautions for user</b>	Not available.
<b>14.7. Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not established.

**ADN; ADR; IATA; IMDG**



**RID**



**SECTION 15: Regulatory information**

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

## EU regulations

**Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended**

Not listed.

**Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended**

Not listed.

**Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended**

Not listed.

**Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA**

Not listed.

## Authorisations

**Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended**

Not listed.

## Restrictions on use

**Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended**

Not listed.

**Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.**

Not listed.

## Other EU regulations

**Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended**

Acetic acid (CAS 64-19-7)

Hydrogen peroxide (CAS 7722-84-1)

Peroxyacetic Acid (CAS 79-21-0)

## Other regulations

The product is classified and labelled in accordance with EC directives or respective national laws. Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work. This Safety Data Sheet complies with the requirements of Regulation (EC) REACH, Annex II, N° 1907/2006 and REACH (CE) N° 453/2010 and its amendments. This Safety Data Sheet complies with the requirements of regulation CLP (CE) N° 1272/2008 and its amendments. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended.

## National regulations

Follow national regulation for work with chemical agents. Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work, as amended.

## 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

## SECTION 16: Other information

### List of abbreviations

Not available.

### References

Not available.

### Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculator methods and test data, if available.

### Full text of any H-statements not written out in full under Sections 2 to 15

H226 Flammable liquid and vapour.  
H242 Heating may cause a fire.  
H271 May cause fire or explosion; strong oxidiser.  
H302 Harmful if swallowed.  
H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H400 Very toxic to aquatic life.  
H411 Toxic to aquatic life with long lasting effects.

**Revision information**

Product and Company Identification: Product Registration Numbers  
SECTION 2: Hazards identification: Hazard statements  
SECTION 2: Hazards identification: Prevention  
SECTION 2: Hazards identification: Response  
SECTION 2: Hazards identification: Storage  
SECTION 2: Hazards identification: Supplemental label information  
Composition / Information on Ingredients: Disclosure Overrides  
Physical & Chemical Properties: Multiple Properties  
GHS: Classification

**Training information**

Follow training instructions when handling this material.

**Disclaimer**

Veolia Water Technologies is not able to anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use and or non respect of Veolia Water Technologies' requirement.