

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

1.1. Product identifier

Product form	: Mixture
Trade name	: DECAPOXY® 5
Type of product	: Acids, Biocidal products (e.g. Disinfectants, pest control)
Product group	: Trade product

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
Industrial/Professional use spec	: For professional users only
Use of the substance/mixture	: Liquid, disinfectant based on hydrogen peroxide for the brewing and beverage industry

1.2.2. Uses advised against

Restrictions on use	: Biocidal products (e.g. Disinfectants, pest control)
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1.3. Details of the supplier of the safety data sheet

Supplier

LAFFORT FRANCE
P.O. Box CS 61611
33072 BORDEAUX CEDEX - FRANCE
T +33 (0)5 56 86 53 04 - F +33 (0)5 56 86 30 50
info@laffort.com - www.laffort.com

Distributor

LAFFORT CHILE
PARCELA 233, LOTE 2,
COLONIA KENNEDY, SECTOR HOSPITAL
9540000 PAINE - CHILE
T +56 22 979 1590 - F +56 9 5201 7140
info@laffort.com - www.laffort.com

Distributor

LAFFORT NEW ZEALAND
4/B GREENWOODS CLOSE
TITIRANGI
P.O. Box P.O. BOX 60-249
1000 AUCKLAND - NEW ZEALAND
T 64 (0) 21 322 290
info@laffort.com - www.laffort.com

Distributor

LAFFORT USA
1460 CADER LANE
SUITE C
CA 94954 PETALUMA - USA
T +1 (707) 775 4530
laffortusa@laffort.com - www.laffortusa.com

Distributor

LAFFORT AUSTRALIA
23 BURWOOD AVENUE
WOODVILLE NORTH
5012 SOUTH AUSTRALIA - AUSTRALIA
T (08) 8360 2200
info@laffort.com - www.laffort.com

Distributor

LAFFORT ITALIA
S.P. PER CASTELNUOVO SCRIVIA S.N.C.
15057 TORTONA AL
T +39 0131 863 608 - F +39 0131 821 305
laffortitalia@laffort.com - www.laffort.com

Distributor

LAFFORT SOUTH AFRICA
32 ZANDWYK PARK
7646 PAARL - SOUTH AFRICA
T +27 21 882 8106
info@laffort.com - www.laffort.com

Supplier, furnisher

LAFFORT ESPAÑA S.A.
TXIRRITA MALEO 12 APTDO 246
20100 RENTERIA (Guipúzcoa) - ESPAÑA
T 0034943344068 - F 0034943344281
info@laffort.com - www.laffort.com

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Australia	NSW Poisons Information Centre	The Children's Hospital at Westmead Locked Bag 4001 NSW 2145 Westmead	13 11 26 +56 2 2 247 3600	
Canada	Ontario Poison Centre (OPC)	The Hospital for Sick Children 555 University Avenue ON M5G 1X8 Toronto	1-800-268-9017 (416) 813-5900	
Canada	BC Drug and Poison Information Centre (DPIC)	655 West 12th Avenue BC V5Z 4R4 Vancouver	1-800-567-8911 (604) 682-5050	

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China	National Poison Control Center	Chinese Center for Disease Control and Prevention Nanwei road, No.29 100050 Beijing	+86 10 831 32 046	
Croatia	Centar za kontrolu otrovanja Institut za medicinska istraživanja i medicinu rada	Ksaverska Cesta 2 p.p. 291 10000 Zagreb	+385 1 234 8342	
Czech Republic	Toxikologické informační středisko Klinika pracovního lékařství VFN a 1. LF UK	Na Bojišti 1 120 00 Praha 2	+420 224 919 293 +420 224 915 402	
Georgia	National Toxicology Information Advisory Center	Tbilisi State Medical University Department of Toxicology - 7 Asatiani St. 380 077 Tbilisi	+995 99 533320	
Greece	Poisons Information Centre Children's Hospital P&A Kyriakou	11762 Athens	+30 2 10 779 3777	
Hungary	Országos Kémiai Biztonsági Intézet Egészségügyi Toxikológiai Tájékoztató Szolgálat	Nagyvárad tér 2. 1437 Budapest, Pf. 839 1097 Budapest	+36 80 20 11 99	
Israel	Israel Poison Information Center Rambam Health Care Campus	6 Ha'Aliya Street 31096 Haifa	+972 4 854 1900	
Japan	Japan Poison Information Center	Tsukuba Medical Center 1-1-1 Amakubo 305-0005 Tsukuba City, Ibaraki	+81-29-856-3566 +81-72-727-2499	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD Msida	+356 2545 6504	
New Zealand	National Poisons Centre	Dunedin School of Medicine, University of Otago PO Box 913 9054 Dunedin	0800 764 766 +56 2 2 247 3600	
Poland	National Poisons Information Centre The Nofer Institute of Occupational Medicine (Łódź)	ul. Teresy 8 P.O. BOX 199 90950 Łódź	+48 42 63 14 724	
Romania	Department of Clinical Toxicology Spitalul de Urgenta Floreasca	Calea Floreasca Bucuresti	+40 21 230 8000	
Russia	Информационно-консультативный центр по токсикологии (РТИАС) Министерство здравоохранения Российской Федерации	3 Сухареvская Площадь Блок 7 129090 г. Москва	+7 495 628 1687 (только на русском)	
Slovenia	Center za klinično toksikologijo in farmakologijo Interna klinika, UKCL	Zaloška cesta 7 1525 Ljubljana	+386 41 650 500	
South Africa	Tygerberg Poison Information Centre	Division of Clinical Pharmacology Faculty of Medicine and Health Sciences Stellenbosch University - PO Box 241 8 000 Cape Town	0861 555 777 +56 2 2 247 3600	
Turkey	Ulusal Zehir Merkezi (UZEM) Refik Saydam Hfzışihha Merkezi Başkanlığı	Cemal Gürsel Cd. No: 18 Sıhhiye Çankaya 6590 Ankara	114	Information is provided to public and medical personnel on poisoning incidents via 114.
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	+44 20 7188 7188	
United States of America	American Association of Poison Control Centers	515 King St., Suite 510 VA 22314 Alexandria	1-800-222-1222 +56 2 2 247 3600	

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

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Acute toxicity (inhalation:dust,mist) Category 4	H332
Skin corrosion/irritation, Category 1A	H314
Serious eye damage/eye irritation, Category 1	H318
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	H335
Hazardous to the aquatic environment – Chronic Hazard, Category 1	H410
Full text of H 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)



Signal word (CLP)

: Danger

Hazardous ingredients

: Hydrogen peroxide; Peracetic acid; Acetic acid

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.
P220 - Keep away from clothing and other combustible materials.
P261 - Avoid breathing mist, vapours.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, eye protection, face protection.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a doctor, a POISON CENTER.

2.3. Other hazards

Other hazards not contributing to the classification

: Warning! Do not use together with other products. May release dangerous gases (chlorine). Do not mix with other bleaching agents. Not to be used in conjunction with chlorine releasing cleaning agents.

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	(CAS-No.) 7722-84-1 (EC-No.) 231-765-0 (EC Index-No.) 008-003-00-9 (REACH-no) 01-2119485845-22	25 - 30	Ox. Liq. 1, H271 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314
Acetic acid	(CAS-No.) 64-19-7 (EC-No.) 200-580-7 (EC Index-No.) 607-002-00-6 (REACH-no) 01-2119475328-30	5 - 10	Flam. Liq. 3, H226 Skin Corr. 1A, H314 Eye Dam. 1, H318
Peracetic acid	(CAS-No.) 79-21-0 (EC-No.) 201-186-8 (EC Index-No.) 607-094-00-8	2,5 - 5	Flam. Liq. 3, H226 Org. Perox. F, H242 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1A, H314 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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Specific concentration limits:		
Name	Product identifier	Specific concentration limits
Hydrogen peroxide	(CAS-No.) 7722-84-1 (EC-No.) 231-765-0 (EC Index-No.) 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 < 50) Skin Irrit. 2, H315 (35 =<C < 100) STOT SE 3, H335 (50 =<C < 70) Ox. Liq. 2, H272 (50 =<C < 70) Skin Corr. 1B, H314 (70 =<C < 100) Ox. Liq. 1, H271 (70 =<C < 100) Skin Corr. 1A, H314
Acetic acid	(CAS-No.) 64-19-7 (EC-No.) 200-580-7 (EC Index-No.) 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 (EC-No.) 201-186-8 (EC Index-No.) 607-094-00-8	(1 =<C < 100) STOT SE 3, H335

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: In case of doubt or persistent symptoms, consult always a physician. Remove victim from polluted area. Take off immediately all contaminated clothing. Never give anything by mouth to an unconscious person. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If unconscious place in recovery position and seek medical advice. Loosen tight clothing such as a collar, tie, belt or waistband. Apply artificial respiration if breathing stopped. Immediately consult a doctor/medical service. If experiencing respiratory symptoms: Call a poison center or a doctor.
First-aid measures after skin contact	: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. Rinse immediately with plenty of water for 15 minutes. Immediately consult a doctor/medical service. Wash contaminated clothing before reuse.
First-aid measures after eye contact	: In case of eye contact, immediately rinse with clean water for 10-15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Ensure adequate flushing of eyes by separating eyelids with the fingers. Immediately consult a doctor/medical service.
First-aid measures after ingestion	: If swallowed, rinse mouth with water (only if the person is conscious). Remove person to fresh air and keep comfortable for breathing. Never attempt to induce vomiting : risk of inhalation. Never give anything by mouth to an unconscious person. If unconscious place in recovery position and seek medical advice. Loosen tight clothing such as a collar, tie, belt or waistband. Immediately consult a doctor/medical service.

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

Symptoms/effects	: More detailed information: See section 11.
Symptoms/effects after inhalation	: Toxic and corrosive vapours may be released. Irritation: may cause irritation to the respiratory system. Irritation to throat and respiratory system. Cough.
Symptoms/effects after skin contact	: Causes severe burns. Redness, pain. Corrosion.
Symptoms/effects after eye contact	: Serious damage to eyes. Redness, pain. Corrosion.
Symptoms/effects after ingestion	: Harmful if swallowed. Abdominal pain, nausea. Corrosion. May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

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

Treat symptomatically. Seek a medical assistance, even if there are no immediate symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: In case of fire in the surroundings: all extinguishing agents allowed. carbon dioxide (CO ₂), powder, alcohol-resistant foam, water spray.
Unsuitable extinguishing media	: Do not use water jet.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Oxidizer. Oxidizing materials.
Explosion hazard	: Risk of explosion if heated under confinement.
Reactivity in case of fire	: Oxidizing materials.
Hazardous decomposition products in case of fire	: Toxic fumes may be released. Carbon oxides (CO, CO ₂).

5.3. Advice for firefighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
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Other information

: Provision to contain effluent from fire extinguishing. Do not contaminate ground and surface water. Dispose in a safe manner in accordance with local/national regulations. In case of fire and/or explosion do not breathe fumes. Cool closed containers exposed to fire with water spray.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures

: Ensure adequate air ventilation. Evacuate personnel to a safe area.

6.1.1. For non-emergency personnel

Protective equipment

: Wear personal protective equipment.

Emergency procedures

: Do not get in eyes, on skin, or on clothing. Ventilate spillage area. Do not breathe vapours. Do not touch or walk on the spilled product.

6.1.2. For emergency responders

Protective equipment

: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Do not flush into surface water or sewer system.

6.3. Methods and material for containment and cleaning up

For containment

: Stop leak if safe to do so. Cover spill with non combustible material, e.g.: sand, earth, vermiculite. Do not absorb in sawdust, paper, cloth or other combustible absorbents. Do not touch or walk on the spilled product.

Methods for cleaning up

: Mechanically recover the product. Shovel into suitable and closed container for disposal. Clean contaminated surfaces with an excess of water. Neutralisation by. Alkali. sodium bicarbonate.

Other information

: Dispose of materials or solid residues at an authorized site. Do not allow to enter drains or water courses. Obtain the consent of pollution control authorities before discharging to wastewater treatment plants.

6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed

: Warning! Do not use together with other products. May release dangerous gases (chlorine).

Precautions for safe handling

: Store tightly closed in a dry and cool place. Ensure good ventilation of the work station. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not ingest. Do not breathe dust, fume, gas, mist, spray, vapours. Do not mix with other bleaching agents.

Hygiene measures

: Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. If on skin, take off contaminated clothing. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures

: Keep only in the original container. Store in a well-ventilated place. Keep container tightly closed. Containers which are opened should be properly resealed and kept upright to prevent leakage.

Storage conditions

: Store in a dry, cool place. Keep out of direct sunlight.

Incompatible materials

: Keep away from combustible materials. Aluminium. Mild steel.

Storage temperature

: 0 - 30 °C

Information on mixed storage

: Keep away from reducing agents. Keep away from (strong) bases.

Packaging materials

: Plastic materials.

7.3. Specific end use(s)

Cleaning product. Food-stuff industry.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Peracetic acid (79-21-0)	
Finland - Occupational Exposure Limits	
HTP-arvo (8h) (mg/m ³)	0,6 mg/m ³
HTP-arvo (8h) (ppm)	0,2 ppm
HTP-arvo (15 min)	1,5 mg/m ³
HTP-arvo (15 min) (ppm)	0,5 ppm
Poland - Occupational Exposure Limits	
NDS (mg/m ³)	0,8 mg/m ³

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Peracetic acid (79-21-0)	
NDSP (mg/m ³)	1,6 mg/m ³
Acetic acid (64-19-7)	
EU - Occupational Exposure Limits	
Local name	Acetic acid
IOELV TWA (mg/m ³)	25 mg/m ³
IOELV TWA (ppm)	10 ppm
IOELV STEL (mg/m ³)	50 mg/m ³
IOELV STEL (ppm)	20 ppm
Regulatory reference	COMMISSION DIRECTIVE (EU) 2017/164
France - Occupational Exposure Limits	
Local name	Acide acétique
VLE (mg/m ³)	25 mg/m ³
VLE (ppm)	10 ppm
Note (FR)	Valeurs recommandées/admises
Regulatory reference	Circulaire du Ministère du travail (réf.: INRS ED 984, 2016)
Spain - Occupational Exposure Limits	
Local name	Ácido acético
VLA-ED (mg/m ³)	25 mg/m ³
VLA-ED (ppm)	10 ppm
VLA-EC (mg/m ³)	50 mg/m ³
VLA-EC (ppm)	20 ppm
Notes	VLI (Agente químico para el que la U.E. estableció en su día un valor límite indicativo).
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2019. INSHT
Hydrogen peroxide (7722-84-1)	
France - Occupational Exposure Limits	
Local name	Peroxyde d'hydrogène (Eau oxygénée)
VME (mg/m ³)	1,5 mg/m ³
VME (ppm)	1 ppm
Note (FR)	Valeurs recommandées/admises
Regulatory reference	Circulaire du Ministère du travail (réf.: INRS ED 984, 2016)
Spain - Occupational Exposure Limits	
Local name	Peróxido de hidrógeno
VLA-ED (mg/m ³)	1,4 mg/m ³
VLA-ED (ppm)	1 ppm
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2019. INSHT

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment:

Refer to protective measures listed in Sections 7 and 8.

Materials for protective clothing:

acid resistant clothing. Long sleeved protective clothing

Hand protection:

waterproof gloves. Nitrile rubber gloves. Butyl rubber gloves. EN 374

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Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Chemically resistant protective gloves	Nitrile rubber (NBR)	6 (> 480 minutes), 3 (> 60 minutes), 4 (> 120 minutes), 5 (> 240 minutes)	0.4		EN ISO 374
Chemically resistant protective gloves	Butyl rubber	3 (> 60 minutes), 4 (> 120 minutes), 5 (> 240 minutes), 6 (> 480 minutes)	0.7		EN ISO 374

Eye protection:

Wear eye or face protection

Type	Use	Characteristics	Standard
Safety glasses		With side shields	EN 166

Skin and body protection:

Wear suitable protective clothing

Type	Standard
Chemically resistant protective gloves	EN 374
Safety glasses with side shields	EN 166
Protective clothing	EN 14605
Safety shoes	

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. EN 143. Filter B (grey)

Environmental exposure controls:

Do not allow into drains or water courses. Avoid release to the environment.

Other information:

Do not eat, drink or smoke during work. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse. Install a retention tank.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: pale.
Colour	: Colourless.
Odour	: Acrid.
Odour threshold	: No data available
pH	: 0,5 - 1,5 20 °C - 100%
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: > 100 °C Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: 60 - 70 °C
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 1,11 - 1,13 Not applicable
Solubility	: Soluble in water.
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: May intensify fire; oxidiser. Oxidizing liquid Category 2.
Explosive limits	: Not applicable

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9.2. Other information

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

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Can react with. oxidising compounds. Bleaching agent.

10.4. Conditions to avoid

Heat. flames or sparks. Direct sunlight.

10.5. Incompatible materials

Organic materials. Alkali metals. Strong bases. Aluminium. Mild steel.

10.6. Hazardous decomposition products

Hazardous combustion products. See Heading 5. Carbon oxides (CO, CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Harmful if swallowed. May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract
Acute toxicity (dermal)	: Causes severe skin burns and eye damage.
Acute toxicity (inhalation)	: May cause irritation to the respiratory tract. May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing.

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ATE CLP (oral)	1550 mg/kg bodyweight
ATE CLP (dermal)	2000 mg/kg
ATE CLP (dust,mist)	4,76 mg/l/4h

Peracetic acid (79-21-0)	
LD50 oral rat	1634 mg/kg
LD50 dermal rat	1012 mg/kg
LC50 inhalation rat (mg/l)	5175 mg/l

Acetic acid (64-19-7)	
LD50 oral rat	3310 mg/kg
LD50 dermal rabbit	1060 mg/kg
LC50 inhalation rat (mg/l)	> 40 mg/l
LC50 inhalation rat (ppm)	5620

Hydrogen peroxide (7722-84-1)	
LD50 oral rat	> 486 mg/kg bodyweight
LD50 oral	1574,2 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 7,94 mg/l/4h
LC50 inhalation rat (Vapours - mg/l/4h)	35,63 mg/l/4h

Skin corrosion/irritation	: Causes severe skin burns and eye damage. pH: 0,5 - 1,5 20°C - 100%
Serious eye damage/irritation	: Causes serious eye damage. pH: 0,5 - 1,5 20°C - 100%
Respiratory or skin sensitisation	: Not classified (No reference available)
Germ cell mutagenicity	: Not classified (No reference available)
Carcinogenicity	: Not classified (No reference available)

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Reproductive toxicity	: Not classified (No reference available)
STOT-single exposure	: May cause respiratory irritation.
STOT-repeated exposure	: Not classified (No reference available)
Aspiration hazard	: Not classified (No reference available)

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Toxic to aquatic life. May cause long-term adverse effects to the aquatic environment.
Acute aquatic toxicity	: Not classified (No reference available)
Chronic aquatic toxicity	: Very toxic to aquatic life with long lasting effects. (No reference available)
Additional information	: Do not discharge into drains or the environment.

Peracetic acid (79-21-0)

LC50 fish 1	0,8 mg/l
EC50 other aquatic organisms 1	466 mg/l 30min
EC50 72h algae (1)	≈ 1,38 mg/l
ErC50 (algae)	0,7 mg/l

Acetic acid (64-19-7)

LC50 fish 1	> 1000 mg/l
EC50 Daphnia 1	300,82 mg/l
ErC50 (algae)	0,08 mg/l

Hydrogen peroxide (7722-84-1)

LC50 fish 1	16,4 mg/l Pimephales promelas
EC50 other aquatic organisms 1	466 mg/l 30min
EC50 72h algae (1)	≈ 1,38 mg/l

12.2. Persistence and degradability

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Persistence and degradability	Not established.
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Peracetic acid (79-21-0)

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

Persistence and degradability	Readily biodegradable.
Biochemical oxygen demand (BOD)	1,066 g O ₂ /g substance
Chemical oxygen demand (COD)	0,88 g O ₂ /g substance
ThOD	1,466 g O ₂ /g substance
Biodegradation	99 %

Hydrogen peroxide (7722-84-1)

Persistence and degradability	Not applicable.
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12.3. Bioaccumulative potential

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

Bioaccumulative potential	There is no bioaccumulation.
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Acetic acid (64-19-7)	
Bioconcentration factor (BCF REACH)	3,16
Log Pow	-0,17
Bioaccumulative potential	There is no bioaccumulation.

Hydrogen peroxide (7722-84-1)	
Log Pow	-1,57
Bioaccumulative potential	There is no bioaccumulation.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Component	
Acetic acid (64-19-7)	PBT: not yet assessed vPvB: not yet assessed

12.6. Other adverse effects

Other adverse effects : Do not allow to enter drains or water courses.

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	: Do not flush into surface water or sewer system.
Product/Packaging disposal recommendations	: Empty remaining contents. Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information	: Do not re-use empty containers.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR)	: UN 3149
UN-No. (IMDG)	: UN 3149
UN-No. (IATA)	: UN 3149
UN-No. (ADN)	: UN 3149
UN-No. (RID)	: UN 3149

14.2. UN proper shipping name

Proper Shipping Name (ADR)	: HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE STABILIZED
Proper Shipping Name (IMDG)	: HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE STABILIZED
Proper Shipping Name (IATA)	: Hydrogen peroxide and peroxyacetic acid mixture stabilized
Proper Shipping Name (ADN)	: HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE, STABILIZED
Proper Shipping Name (RID)	: HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE, STABILIZED
Transport document description (ADR)	: UN 3149 HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE STABILIZED, 5.1 (8), II, (E), ENVIRONMENTALLY HAZARDOUS
Transport document description (IMDG)	: UN 3149 HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE STABILIZED, 5.1 (8), II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS
Transport document description (IATA)	: UN 3149 Hydrogen peroxide and peroxyacetic acid mixture stabilized, 5.1, II, ENVIRONMENTALLY HAZARDOUS
Transport document description (ADN)	: UN 3149 HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE, STABILIZED, 5.1 (8), II, ENVIRONMENTALLY HAZARDOUS
Transport document description (RID)	: UN 3149 HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE, STABILIZED, 5.1 (8), II, ENVIRONMENTALLY HAZARDOUS

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR)	: 5.1 (8)
Danger labels (ADR)	: 5.1, 8

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IMDG

Transport hazard class(es) (IMDG) : 5.1 (8)

Danger labels (IMDG) : 5.1, 8



IATA

Transport hazard class(es) (IATA) : 5.1 (8)

Hazard labels (IATA) : 5.1, 8



ADN

Transport hazard class(es) (ADN) : 5.1 (8)

Danger labels (ADN) : 5.1, 8



RID

Transport hazard class(es) (RID) : 5.1 (8)

Danger labels (RID) : 5.1, 8



14.4. Packing group

Packing group (ADR) : II

Packing group (IMDG) : II

Packing group (IATA) : II

Packing group (ADN) : II

Packing group (RID) : II

14.5. Environmental hazards

Dangerous for the environment : Yes

Marine pollutant : Yes

Other information : No supplementary information available

14.6. Special precautions for user

Overland transport

Classification code (ADR) : 0C1

Special provisions (ADR) : 196, 553

Limited quantities (ADR) : 1I

Excepted quantities (ADR) : E2

Packing instructions (ADR) : P504, IBC02

Special packing provisions (ADR) : PP10, B5

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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 restriction code (ADR)

: E

EAC code

: 2P

Transport by sea

Special provisions (IMDG)	: 196
Packing instructions (IMDG)	: P504
Special packing provisions (IMDG)	: PP10
IBC packing instructions (IMDG)	: IBC02
IBC special provisions (IMDG)	: B5
Tank instructions (IMDG)	: T7
Tank special provisions (IMDG)	: TP2, TP6, TP24
EmS-No. (Fire)	: F-H
EmS-No. (Spillage)	: S-Q
Stowage category (IMDG)	: D
Stowage and handling (IMDG)	: SW1
Segregation (IMDG)	: SG16, SG59, SG72
Properties and observations (IMDG)	: Colourless liquid. Carried as an aqueous solution. Slowly decomposes, evolving oxygen; the rate of decomposition increases on contact with most metals. In contact with combustible material may cause fire. Causes burns to skin, eyes and mucous membranes. Even though stabilized, these solutions may evolve oxygen.

Air transport

PCA Excepted quantities (IATA)	: E2
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
ERG code (IATA)	: 5C

Inland waterway transport

Classification code (ADN)	: OC1
Special provisions (ADN)	: 196, 553
Limited quantities (ADN)	: 1 L
Excepted quantities (ADN)	: E2
Equipment required (ADN)	: PP, EP
Number of blue cones/lights (ADN)	: 0

Rail transport

Classification code (RID)	: OC1
Special provisions (RID)	: 196, 553
Limited quantities (RID)	: 1L
Excepted quantities (RID)	: E2
Packing instructions (RID)	: P504, IBC02
Special packing provisions (RID)	: PP10, B5
Mixed packing provisions (RID)	: MP15

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Portable tank and bulk container instructions (RID)	: T7
Portable tank and bulk container special provisions (RID)	: TP2, TP6, TP24
Tank codes for RID tanks (RID)	: L4BV(+)
Special provisions for RID tanks (RID)	: TU3, TC2, TE8, TE11, TT1
Transport category (RID)	: 2
Special provisions for carriage - Loading, unloading and handling (RID)	: CW24
Colis express (express parcels) (RID)	: CE6
Hazard identification number (RID)	: 58

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

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

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

CESIO recommendations : oxygen-based bleaching agents. Disinfectant.

15.1.2. National regulations

France

Occupational diseases : NA - Non applicable

No ICPE	Installations classées Désignation de la rubrique	Code Régime	Rayon
4441.text	Liquides comburants catégorie 1,2 ou 3.		

Germany

Reference to AwSV : Water hazard class (WGK) 2, Significantly hazardous to water (Classification according to AwSV, Annex 1)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

Denmark

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

15.2. Chemical safety assessment

The chemical safety assessment has not been finalized

SECTION 16: Other information

Indication of changes:

Revision - See : *.

Section	Changed item	Change	Comments
11.1	LD50 oral	Modified	
11.1	LC50 inhalation rat (mg/l)	Modified	
11.1	LC50 inhalation rat (mg/l)	Removed	

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11.1	ATE CLP (vapours)	Removed	
11.1	LD50 oral	Removed	
11.1	LD50 dermal	Removed	
11.1	ATE CLP (oral)	Added	
11.1	ATE CLP (dermal)	Added	

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
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
Met. Corr. 1	Corrosive to metals, Category 1
Org. Perox. F	Organic Peroxides, Type F
Ox. Liq. 1	Oxidising Liquids, Category 1
Ox. Liq. 2	Oxidising Liquids, Category 2
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
ST0T SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
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.

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.