



VELTEK ASSOCIATES, INC.

DECON-SPORE® 200 Plus

Safety Data Sheet

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024) and according to SOR/2015-17, Hazardous Products Regulations (HPR) with its amendment Regulation SOR/2022-272
Issue date: 9/19/2012 Revision date: 6/17/2026 Supersedes: 8/12/2021 Version: 5.1

SECTION 1 Identification

1.1. Product identifier

Product form : Mixture
Product name : DECON-SPORE® 200 Plus
Product code : SDS DS200-0397-01-01

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Concentrate
Restrictions on use : For professional use only

1.4. Supplier's details

Veltek Associates, Inc.
15 Lee Blvd
Malvern, PA 19355-1234 USA
Telephone: +1 610-644-8335
E-mail: vai@sterile.com

In Canada distributed by:
Canada Clean Room (CCR)
20 Cope Dr.
Kanata, ON K2M 2V8, Canada
Telephone: 1-(888)-595-8070

1.5. Emergency phone number

Emergency number : CARECHEM 24: 1-215-207-0061
1-866-928-0789 (toll free USA)
Canada: 1-800-579-7421 (toll free)
Mexico: +52-55-5004-8763

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Oxidising liquid, Category 2	H272	May intensify fire; oxidizer.
Organic peroxide, Type F	H242	Heating may cause a fire.
Acute toxicity (oral), Category 4	H302	Harmful if swallowed.
Acute toxicity (inhalation), Category 3	H331	Toxic if inhaled.
Skin corrosion/irritation, Category 1	H314	Causes severe skin burns and eye damage.
Serious eye damage/eye irritation, Category 1	H318	Causes serious eye damage.
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	H335	May cause respiratory irritation.
Hazardous to the aquatic environment — Acute Hazard, Category 2	H401	Toxic to aquatic life.
Hazardous to the aquatic environment — Chronic Hazard, Category 1	H410	Very toxic to aquatic life with long lasting effects.

Full text of H statements : see section 16

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2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US)



Signal word (GHS US)

: Danger

Hazard statements (GHS US)

: H242 - Heating may cause a fire
H272 - May intensify fire; oxidizer
H302 - Harmful if swallowed
H314 - Causes severe skin burns and eye damage
H331 - Toxic if inhaled
H335 - May cause respiratory irritation
H401 - Toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects

Precautionary statements (GHS US)

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P221 - Take any precaution to avoid mixing with combustibles
P234 - Keep only in original packaging.
P260 - Do not breathe dusts or mists.
P264 - Wash hands thoroughly after handling.
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 face protection, eye protection, protective clothing, protective gloves.
P301+P312 - If swallowed: Call a doctor if you feel unwell.
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.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a doctor.
P363 - Take off immediately all contaminated clothing and wash it before reuse.
P370+P378 - In case of fire: Use Water spray, carbon dioxide (CO₂), foam, Dry chemical to extinguish.
P391 - Collect spillage.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.
P410 - Protect from sunlight.
P411+P235 - Store at temperatures not exceeding 40 °C /104 °F. Keep cool.
P420 - Store separately.
P501 - Dispose of an authorized waste collection point to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

Other hazards which do not result in classification : Reacts with chlorinated materials (e.g. bleach) generating toxic chlorine gas.

2.5. Unknown acute toxicity

No additional information available

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SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
Hydrogen peroxide (Note B)	CAS-No.: 7722-84-1	25.60 - 29.40	Ox. Liq. 1, H271 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 2, H401 Aquatic Chronic 3, H412
Acetic acid (Note B)	CAS-No.: 64-19-7	5 - 10	Flam. Liq. 3, H226 Skin Corr. 1A, H314 Eye Dam. 1, H318
Peracetic acid (Note B)(Note D)(Note T)	CAS-No.: 79-21-0	5.25 - 6.40	Flam. Liq. 3, H226 Org. Perox. D, H242 Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Dermal), H312 Acute Tox. 2 (Inhalation), H330 Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Note B: Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

Note D: Certain substances which are susceptible to spontaneous polymerisation or decomposition are generally placed on the market in a stabilised form. It is in this form that they are listed in Part 3. However, such substances are sometimes placed on the market in a non-stabilised form. In this case, the supplier must state on the label the name of the substance followed by the words 'non-stabilised'.

Note T: This substance may be marketed in a form which does not have the physical hazards as indicated by the classification in the entry in Part 3. If the results of the relevant method or methods in accordance with Part 2 of Annex I of this Regulation show that the specific form of substance marketed does not exhibit this physical property or these physical hazards, the substance shall be classified in accordance with the result or results of this test or these tests. Relevant information, including reference to the relevant test method(s) shall be included in the safety data sheet.

Full text of hazard classes and H-statements : see section 16

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

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First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If breathing is difficult, trained personnel should give oxygen. If not breathing, give artificial respiration. Obtain immediate medical attention.
First-aid measures after skin contact	: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Obtain immediate medical attention.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Ensure that folded skin of eyelids is thoroughly washed with water. Obtain immediate medical attention.
First-aid measures after ingestion	: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth. Obtain immediate medical attention.

4.2. Most important symptoms/effects, acute and delayed

Potential Adverse human health effects and symptoms	: Causes severe skin burns and eye damage. Toxic if inhaled. Severe irritation or burns to the mouth, throat, esophagus, and stomach. Harmful if swallowed. May cause respiratory irritation.
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4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment	: Treat symptomatically.
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SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Water spray. Foam. Dry chemical. Carbon dioxide.
Unsuitable extinguishing media	: Do not use water jet.

5.2. Specific hazards arising from the chemical

Fire hazard	: Organic peroxides. Heating may cause a fire. May intensify fire; oxidizer.
Explosion hazard	: On heating, there is a risk of bursting due to internal pressure build-up. Use water for cooling exposed containers.
Reactivity in case of fire	: On combustion, forms: oxygen. Oxygen will accelerate burning of combustible materials.
Hazardous decomposition products in case of fire	: Acetic acid. oxygen. Phosphorus oxides.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Keep upwind. Exercise caution when fighting any chemical fire. On heating, there is a risk of bursting due to internal pressure build-up. Use water for cooling exposed containers. Do not allow run-off from fire fighting to enter drains or water courses.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection. Use self-contained breathing apparatus when in close proximity to fire.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Emergency procedures	: Remove all sources of ignition. Ventilate area. Avoid contact with skin and eyes. Evacuate unnecessary personnel. Ensure clean-up is conducted by trained personnel only. Refer to protective measures in sections 7 and 8.
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For emergency responders

Protective equipment	: Equip cleanup crew with proper protection. Use chemically protective clothing.
Emergency procedures	: Remove all sources of ignition. Ventilate area. Avoid contact with skin and eyes.
Environmental precautions	: Collect spillage. Avoid release to the environment. Do not allow to enter drains or water courses. Notify authorities if product enters sewers or public waters.

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6.2. Methods and materials for containment and cleaning up

- For containment
- Methods for cleaning up
- : Stop leak, if possible without risk. Dam up the liquid spill. Do not allow to come in contact with incompatible materials.
- : Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Store away from other materials. Combustible materials exposed to this product should be rinsed immediately with large amounts of water to ensure that all product is removed. Residual product which is allowed to dry on organic materials such as rags, cloths, paper, fabrics, cotton, leather, wood, or other combustibles may spontaneously ignite and result in a fire.

SECTION 8: Exposure controls/personal protection. SECTION 13: Disposal considerations.

SECTION 7 Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling
- Hygiene measures
- : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from clothing and other combustible materials. Provide adequate ventilation, including appropriate local extraction, to ensure that occupational exposure limits are not exceeded. Do not get in eyes, on skin, or on clothing. Do not breathe vapors.
- : Handle in accordance with good industrial hygiene and safety practice. 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. Wash contaminated clothing before reuse. 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 incompatibilities

- Technical measures
- Storage conditions
- Incompatible materials
- Storage temperature
- Specific end uses
- : Comply with applicable regulations.
- : Keep cool. Store at temperatures not exceeding 40 °C / 104 °F. Store in a well-ventilated place. Keep container closed when not in use. Keep only in original container. Protect from sunlight. Keep/Store away from clothing, combustibles. Risk of overpressure in insufficiently vented containers.
- : Combustible materials. Bases. Reducing agents. Metals. Metallic salts. Acetic anhydride. Chlorinated compounds.
- : -22 – 104 °F
- : Concentrate. Industrial use.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Hydrogen peroxide (7722-84-1)	
USA - ACGIH® - Threshold Limit Values	
Local name	Hydrogen peroxide
ACGIH TWA (mg/m³)	1.4 mg/m³
ACGIH TWA (ppm)	1 ppm
Remark (ACGIH®)	TLV® Basis: Eye, URT & Skin irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2025

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Hydrogen peroxide (7722-84-1)	
USA - OSHA - Occupational Exposure Limits	
Local name	Hydrogen peroxide
OSHA PEL (TWA) (mg/m³)	1.4 mg/m³
OSHA PEL TWA	1 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
USA - NIOSH - Occupational Exposure Limits	
Local name	Hydrogen peroxide
NIOSH REL 10h TWA	1 ppm
Regulatory reference (US-NIOSH)	OSHA Annotated Table Z-1 (NIOSH Pocket Guide to Chemical Hazards (NPG))
Canada (Alberta) - Occupational Exposure Limits	
Local name	Hydrogen peroxide
OEL TWA	1.4 mg/m³
OEL TWA	1 ppm
Notations and remarks	Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required.
Regulatory reference	Alberta Regulation 191/2021
Canada (Quebec) - Occupational Exposure Limits	
Local name	Hydrogen peroxide
VEMP (OEL TWA EV)	1 ppm
Notations and remarks	C3
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Canada (British Columbia) - Occupational Exposure Limits	
Local name	Hydrogen peroxide
OEL TWA	1 ppm
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Canada (Manitoba) - Occupational Exposure Limits	
Local name	Hydrogen peroxide
OEL TWA	1.4 mg/m³
OEL TWA	1 ppm
Notations and remarks	TLV® Basis: Eye, URT & Skin irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2025
Canada (New Brunswick) - Occupational Exposure Limits	
Local name	Hydrogen peroxide
OEL TWA	1 ppm
Notations and remarks	Eye, URT, & skin irr

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Hydrogen peroxide (7722-84-1)	
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	Hydrogen peroxide
OEL TWA	1.4 mg/m ³
OEL TWA	1 ppm
Notations and remarks	TLV® Basis: Eye, URT & Skin irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2025
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	Hydrogen peroxide
OEL TWA	1.4 mg/m ³
OEL TWA	1 ppm
Notations and remarks	TLV® Basis: Eye, URT & Skin irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2025
Canada (Nunavut) - Occupational Exposure Limits	
Local name	Hydrogen peroxide
OEL TWA	1 ppm
OEL STEL	2 ppm
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
Canada (Northwest Territories) - Occupational Exposure Limits	
Local name	Hydrogen peroxide
OEL TWA	1 ppm
OEL STEL	2 ppm
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-090-2024)
Canada (Ontario) - Occupational Exposure Limits	
Local name	Hydrogen peroxide
OEL TWAEV	1 ppm
Regulatory reference	Ontario Occuational Exposure Limits under Regulation 833
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	Hydrogen peroxide
OEL TWA	1.4 mg/m ³
OEL TWA	1 ppm
Notations and remarks	TLV® Basis: Eye, URT & Skin irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2025
Canada (Saskatchewan) - Occupational Exposure Limits	
Local name	Hydrogen peroxide

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Hydrogen peroxide (7722-84-1)	
OEL TWA	1 ppm
OEL STEL	2 ppm
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10
Acetic acid (64-19-7)	
USA - ACGIH® - Threshold Limit Values	
Local name	Acetic acid
ACGIH TWA (mg/m³)	25 mg/m³
ACGIH TWA (ppm)	10 ppm
ACGIH® TLV® STEL	37 mg/m³
ACGIH STEL (ppm)	15 ppm
Remark (ACGIH®)	TLV® Basis: Sensory irr; Burns (chemical); Pulm func
Regulatory reference	ACGIH 2025
USA - OSHA - Occupational Exposure Limits	
Local name	Acetic acid
OSHA PEL (TWA) (mg/m³)	25 mg/m³
OSHA PEL TWA	10 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
USA - NIOSH - Occupational Exposure Limits	
Local name	Acetic acid
NIOSH REL 10h TWA	10 ppm
NIOSH REL (STEL)	15 ppm
Regulatory reference (US-NIOSH)	OSHA Annotated Table Z-1 (NIOSH Pocket Guide to Chemical Hazards (NPG))
Canada (Alberta) - Occupational Exposure Limits	
Local name	Acetic acid
OEL TWA	25 mg/m³
OEL TWA	10 ppm
OEL STEL	37 mg/m³
OEL STEL	15 ppm
Regulatory reference	Alberta Regulation 191/2021
Canada (Quebec) - Occupational Exposure Limits	
Local name	Acetic acid
VECD (OEL STEV)	37 mg/m³
VECD (OEL STEV)	15 ppm
VEMP (OEL TWA EV)	25 mg/m³
VEMP (OEL TWA EV)	10 ppm
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety

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Acetic acid (64-19-7)	
Canada (British Columbia) - Occupational Exposure Limits	
Local name	Acetic acid
OEL TWA	10 ppm
OEL STEL	15 ppm
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Canada (Manitoba) - Occupational Exposure Limits	
Local name	Acetic acid
OEL TWA	25 mg/m³
OEL TWA	10 ppm
OEL STEL	37 mg/m³
OEL STEL	15 ppm
Notations and remarks	TLV® Basis: Sensory irr; Burns (chemical); Pulm func
Regulatory reference	ACGIH 2025
Canada (New Brunswick) - Occupational Exposure Limits	
Local name	Acetic acid
OEL TWA	10 ppm
OEL STEL	15 ppm
Notations and remarks	URT & eye irr; pulm func
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	Acetic acid
OEL TWA	25 mg/m³
OEL TWA	10 ppm
OEL STEL	37 mg/m³
OEL STEL	15 ppm
Notations and remarks	TLV® Basis: Sensory irr; Burns (chemical); Pulm func
Regulatory reference	ACGIH 2025
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	Acetic acid
OEL TWA	25 mg/m³
OEL TWA	10 ppm
OEL STEL	37 mg/m³
OEL STEL	15 ppm
Notations and remarks	TLV® Basis: Sensory irr; Burns (chemical); Pulm func
Regulatory reference	ACGIH 2025
Canada (Nunavut) - Occupational Exposure Limits	
Local name	Acetic acid

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Acetic acid (64-19-7)	
OEL TWA	10 ppm
OEL STEL	15 ppm
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
Canada (Northwest Territories) - Occupational Exposure Limits	
Local name	Acetic acid
OEL TWA	10 ppm
OEL STEL	15 ppm
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-090-2024)
Canada (Ontario) - Occupational Exposure Limits	
Local name	Acetic acid
OEL TWAEV	10 ppm
OEL TWAEV	15 ppm
Regulatory reference	Ontario Occuational Exposure Limits under Regulation 833
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	Acetic acid
OEL TWA	25 mg/m ³
OEL TWA	10 ppm
OEL STEL	37 mg/m ³
OEL STEL	15 ppm
Notations and remarks	TLV® Basis: Sensory irr; Burns (chemical); Pulm func
Regulatory reference	ACGIH 2025
Canada (Saskatchewan) - Occupational Exposure Limits	
Local name	Acetic acid
OEL TWA	10 ppm
OEL STEL	15 ppm
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10
Peracetic acid (79-21-0)	
USA - ACGIH® - Threshold Limit Values	
Local name	Peracetic acid
ACGIH® TLV® STEL	1.24 mg/m ³ (IFV - Inhalable fraction and vapor)
ACGIH STEL (ppm)	0.4 ppm (IFV - Inhalable fraction and vapor)
Remark (ACGIH®)	TLV® Basis: Eye, Skin & URT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2025
Canada (Quebec) - Occupational Exposure Limits	
Local name	Peracetic acid
VECD (OEL STEV)	0.4 ppm IFV

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Peracetic acid (79-21-0)	
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Canada (Manitoba) - Occupational Exposure Limits	
Local name	Peracetic acid
OEL STEL	1.24 mg/m ³ (IFV - Inhalable fraction and vapor)
OEL STEL	0.4 ppm (IFV - Inhalable fraction and vapor)
Notations and remarks	TLV® Basis: Eye, Skin & URT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2025
Canada (New Brunswick) - Occupational Exposure Limits	
Local name	Peracetic acid
OEL STEL	0.4 ppm
Notations and remarks	A4
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
Local name	Peracetic acid
OEL STEL	1.24 mg/m ³ (IFV - Inhalable fraction and vapor)
OEL STEL	0.4 ppm (IFV - Inhalable fraction and vapor)
Notations and remarks	TLV® Basis: Eye, Skin & URT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2025
Canada (Nova Scotia) - Occupational Exposure Limits	
Local name	Peracetic acid
OEL STEL	1.24 mg/m ³ (IFV - Inhalable fraction and vapor)
OEL STEL	0.4 ppm (IFV - Inhalable fraction and vapor)
Notations and remarks	TLV® Basis: Eye, Skin & URT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2025
Canada (Ontario) - Occupational Exposure Limits	
Local name	Peracetic acid
OEL TWA EV	0.4 ppm (IFV - Inhalable fraction and vapour)
Regulatory reference	Ontario Occupational Exposure Limits under Regulation 833
Canada (Prince Edward Island) - Occupational Exposure Limits	
Local name	Peracetic acid
OEL STEL	1.24 mg/m ³ (IFV - Inhalable fraction and vapor)
OEL STEL	0.4 ppm (IFV - Inhalable fraction and vapor)
Notations and remarks	TLV® Basis: Eye, Skin & URT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2025

8.2. Appropriate engineering controls

Appropriate engineering controls : Provide adequate ventilation, including appropriate local extraction, to ensure that occupational exposure limits are not exceeded. Emergency eye wash stations and safety showers should be available in the immediate vicinity of any potential exposure.

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Environmental exposure controls : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Refer to section 6.

8.3. Individual protection measures, such as personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:

Wear chemically resistant protective gloves. The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed. Gloves should be removed and replaced if there are any signs of degradation or breakthrough. Hand Protection in accordance with 29 CFR 1910.138 & ANSI/ISEA 105-2016

Eye protection:

Chemical goggles or safety glasses. Eye Protection in accordance with 29 CFR 1910.133 & ANSI/ISEA Z87.1-2020

Skin and body protection:

Use chemically protective clothing. Impervious footwear must be worn

Respiratory protection:

Wear suitable respiratory equipment. Respiratory protection in accordance with 29 CFR 1910.134 & ANSI Z88.2 / ANSI Z88.6

Thermal hazard protection:

Not required for normal conditions of use.

Other information:

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke during use.

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear.
Color	: Colorless
Odor	: Pungent.
Odor threshold	: No data available
pH	: 0.49 (100%)
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 212 °F (100 °C)
Flash point	: Not applicable, does not sustain combustion
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: 1.12 (Water = 1)
Solubility	: Water: Miscible
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: 167 °F (75 °C)(SADT)
Viscosity, kinematic	: No data available
Explosion limits	: No data available
Explosive properties	: Not explosive.
Oxidizing properties	: May intensify fire; oxidizer.
Particle characteristics	: No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

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SECTION 10 Stability and reactivity

10.1. Reactivity

May intensify fire; oxidizer.

10.2. Chemical stability

Organic peroxides. Heating may cause a fire.

10.3. Possibility of hazardous reactions

Risk of explosion on reaction with acetic anhydride. Risk of self-accelerated thermal decomposition in contact with: Metals and metallic compounds. Bases. Reducing agents. Organic materials. Contamination may result in dangerous pressure increases - closed containers may rupture. Reacts with chlorinated materials (e.g. bleach) generating toxic chlorine gas.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep out of direct sunlight. Freezing.

10.5. Incompatible materials

Combustible materials. Bases. Reducing agents. Metals. Metallic salts. Chlorinated compounds. Acetic anhydride.

10.6. Hazardous decomposition products

Phosphorus oxides. Acetic acid. On combustion, forms: oxygen. May intensify fire. Reacts with chlorinated materials (e.g. bleach) generating toxic chlorine gas.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Harmful if swallowed.
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Toxic if inhaled.

DECON-SPORE® 200 Plus	
LC50 inhalation, rat (mg/l)	0.75 mg/l - 4 Hours (Dust/Mist)
ATE US (oral)	633.279 mg/kg body weight
ATE US (gases)	700 ppmV/4h
ATE US (vapors)	0.75 mg/l/4h
ATE US (dust, mist)	0.75 mg/l/4h
Hydrogen peroxide (7722-84-1)	
LD50 oral, rat	693.7 mg/kg (female)(70% Aqueous solution), (OECD 401 method)
LD50 dermal, rabbit	> 2000 mg/kg body weight (35% Aqueous solution), (OECD 402 method)
LC50 inhalation, rat (mg/l)	> 170 mg/m³ - 4 Hours (50% aerosol), (OECD 403 method)
ATE US (oral)	693.7 mg/kg body weight
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	11 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h

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Acetic acid (64-19-7)	
LD50 oral, rat	3310 mg/kg body weight (Read-across: Sodium acetate)
ATE US (oral)	3310 mg/kg body weight
Peracetic acid (79-21-0)	
LD50 oral, rat	50 – 500 mg/kg body weight (35% Aqueous solution)(EPA OPP 81-1)
LD50 dermal, rabbit	> 1147 mg/kg body weight (5% Aqueous solution)(EPA OPP 81-2)
LC50 inhalation, rat (mg/l)	204 mg/m³ air - 4 Hours (5% aerosol)(EPA OPP 81-3)
ATE US (oral)	50 mg/kg body weight
ATE US (dermal)	1100 mg/kg body weight
ATE US (gases)	100 ppmV/4h
ATE US (vapors)	0.5 mg/l/4h
ATE US (dust, mist)	0.05 mg/l/4h
Skin corrosion/irritation	: Causes severe skin burns. pH: 0.49 (100%)
Serious eye damage/irritation	: Causes serious eye damage. pH: 0.49 (100%)
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Hydrogen peroxide (7722-84-1)	
IARC group	3 - Not classifiable
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause respiratory irritation.
Hydrogen peroxide (7722-84-1)	
STOT-single exposure	May cause respiratory irritation.
Peracetic acid (79-21-0)	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Causes severe skin burns and eye damage. Toxic if inhaled. Severe irritation or burns to the mouth, throat, esophagus, and stomach. Harmful if swallowed. May cause respiratory irritation.

SECTION 12 Ecological information

12.1. Ecotoxicity

Ecology - general	: Very toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic)	: Very toxic to aquatic life with long lasting effects.

Hydrogen peroxide (7722-84-1)	
LC50 fish	16.4 mg/l - 96 Hours (Pimephales promelas)
EC50 Daphnia	2.4 mg/l - 48 Hours (Daphnia pulex)

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according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024) and according to SOR/2015-17, Hazardous Products Regulations (HPR) with its amendment Regulation SOR/2022-272

Hydrogen peroxide (7722-84-1)	
EC50 72h - Algae [1]	1.38 mg/l - 72 Hours (Skeletonema costatum, Growth rate)
NOEC chronic crustacea	0.63 mg/l - 21 days (Daphnia magna, reproduction)
NOEC chronic algae	0.63 mg/l - 72 Hours (Skeletonema costatum, Growth rate)
Acetic acid (64-19-7)	
LC50 fish	> 300.82 mg/l - 96 Hours (Oncorhynchus mykiss)(OECD 203 method)
EC50 Daphnia	> 300.82 mg/l - 48 Hours (Daphnia magna, Mobility)(OECD 202 method)
ErC50 algae	> 300.82 mg/l - 72 Hours (Skeletonema costatum, Mobility)
NOEC chronic algae	300.82 mg/l - 72 Hours (Skeletonema costatum, Mobility)
Peracetic acid (79-21-0)	
LC50 fish	0.53 mg/l - 96 Hours (Oncorhynchus mykiss)(5% Aqueous solution)(OECD 203 method)
EC50 Daphnia	0.73 mg/l - 48 Hours (Daphnia magna, Mobility)(OECD 202 method)
EC50 - Other aquatic organisms [1]	0.27 mg/l - 48 Hours (Mytilus edulis, Developmental toxicity)
LC50 fish 2	11 mg/l - 96 Hours (Pleuronectes platessa)(12% Aqueous solution)
ErC50 algae	0.16 mg/l - 72 Hours (Pseudokirchneriella subcapitata, Growth rate)
NOEC chronic fish	2.2 µg/L - 33 days (Danio rerio)(OECD 210 method)
NOEC chronic crustacea	0.012 mg/l - 21 days (Daphnia magna, immobilization, reproduction)(OECD 211 method)
NOEC chronic algae	0.061 mg/l - 72 Hours (Pseudokirchneriella subcapitata, Growth rate)

12.2. Persistence and degradability

DECON-SPORE® 200 Plus	
Persistence and degradability	Not established.
Hydrogen peroxide (7722-84-1)	
Persistence and degradability	Decomposes, The methods for determining biodegradability are not applicable to inorganic substances.
Biodegradation	> 99 % - 30 minutes (OECD 209 method)
Acetic acid (64-19-7)	
Persistence and degradability	Readily biodegradable.
Peracetic acid (79-21-0)	
Persistence and degradability	Readily biodegradable.
Biodegradation	98 % - 28 days (OECD 301E method)

12.3. Bioaccumulative potential

Hydrogen peroxide (7722-84-1)	
Log Pow	-1.57 (20 °C), (calculated value)
Bioaccumulative potential	Low bioaccumulation potential.

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according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024) and according to SOR/2015-17, Hazardous Products Regulations (HPR) with its amendment Regulation SOR/2022-272

Acetic acid (64-19-7)	
BCF - Fish [1]	3.16 (QSAR)
Log Pow	-0.17 (25 °C)
Bioaccumulative potential	Not bioaccumulable.
Peracetic acid (79-21-0)	
Log Pow	-0.26 (25 °C, pH 7)(QSAR)
Bioaccumulative potential	Low bioaccumulation potential.

12.4. Mobility in soil

DECON-SPORE® 200 Plus	
Ecology - soil	Miscible with water.
Hydrogen peroxide (7722-84-1)	
Ecology - soil	Not expected to adsorb to soil.
Acetic acid (64-19-7)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.062 (20 °C)
Peracetic acid (79-21-0)	
Ecology - soil	Highly mobile in soil.

12.5. Other adverse effects

Ozone	: Not classified
Fluorinated greenhouse gases	: No
Other information	: Avoid release to the environment.

SECTION 13 Disposal considerations

Waste disposal recommendations	: Do not discharge into drains or the environment. Dispose of this product and its container in a safe manner in accordance with local/national regulations. Dispose of this material and its container at hazardous or special waste collection point.
Additional information	: Handle empty containers with care. Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.
Ecology - waste materials	: Avoid release to the environment.

SECTION 14 Transport information

In accordance with DOT / TDG / IMDG / IATA

14.1. UN number

UN-No. (DOT)	: UN3109
UN-No. (TDG)	: UN3109
UN-No. (IMDG)	: 3109
UN-No. (IATA)	: 3109

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according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024) and according to SOR/2015-17, Hazardous Products Regulations (HPR) with its amendment Regulation SOR/2022-272

14.2. UN Proper Shipping Name

Proper Shipping Name (DOT)	: Organic peroxide type F, liquid (Peroxyacetic acid, type F, stabilized)
Proper Shipping Name (TDG)	: ORGANIC PEROXIDE TYPE F, LIQUID (Peroxyacetic acid, type F, stabilized)
Proper Shipping Name (IMDG)	: ORGANIC PEROXIDE TYPE F, LIQUID (Peroxyacetic acid, type F, stabilized)
Proper Shipping Name (IATA)	: Organic peroxide type F, liquid (Peroxyacetic acid, type F, stabilized)

14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT)	: 5.2 (8)
Hazard labels (DOT)	: 5.2, 8



TDG

Transport hazard class(es) (TDG)	: 5.2 (8)
Hazard labels (TDG)	: 5.2, 8



IMDG

Transport hazard class(es) (IMDG)	: 5.2 (8)
Hazard labels (IMDG)	: 5.2, 8



IATA

Transport hazard class(es) (IATA)	: 5.2 (8)
Hazard labels (IATA)	: 5.2, 8



14.4. Packing group

Packing group (DOT)	: Not applicable
Packing group (TDG)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable

14.5. Environmental hazards

Dangerous for the environment	: Yes
Marine pollutant	: Yes



DECON-SPORE® 200 Plus

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according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024) and according to SOR/2015-17, Hazardous Products Regulations (HPR) with its amendment Regulation SOR/2022-272

Other information : Marine Pollutants packaged in single or combination packagings containing a net quantity per single or inner packaging of 5lt or less for liquids or having a net mass per single or inner packaging of 5kg or less for solids are not subject to any other provisions of this Code relevant to marine pollutants provided the packagings meet the general requirements of 4.1.1.1, 4.1.1.2, and 4.1.1.4 to 4.1.1.8. In the case of marine pollutants also meeting the criteria of inclusion in another hazards class all provisions of the Code relevant to any additional hazards continue to apply.

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

Special transport precautions : Air regulations permit shipment of peracetic acid in non-vented containers for Air Cargo Only aircraft, as well as for Passenger and Cargo aircraft. HOWEVER, all peracetic acid containers are vented and therefore, air shipments of peracetic acid are not permitted. IATA air regulations state that venting of packages containing oxidizing substances is not permitted for air transport.

DOT

UN-No. (DOT) : UN3109

DOT Special Provisions (49 CFR 172.102) : A61 - a. When used for purposes such as sterilization, inner packagings of peroxyacetic acid, stabilized, classified as UN 3107 Organic peroxide type E, liquid or UN 3109 Organic peroxide type F, liquid may be fitted with a vent consisting of hydrophobic membrane, provided:(1) Each inner packaging contains not more than 70 mL; (2) The inner packaging is designed so that the vent is not immersed in liquid in any orientation; (3) Each inner packaging is enclosed in an intermediate rigid plastic packaging with a small opening to permit release of gas and contains a buffer that neutralizes the contents of the inner packaging in the event of leakage; (4) Intermediate packagings are packed in a fiberboard box (4G) outer packaging; (5) Each outer packaging contains not more than 1.4 L of liquid; and (6) The rate of oxygen release from the outer packaging does not exceed 15 mL per hour.

DOT Packaging Exceptions (49 CFR 173.xxx) : 152

DOT Packaging Non Bulk (49 CFR 173.xxx) : 225

DOT Packaging Bulk (49 CFR 173.xxx) : 225

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 10 L

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 25 L

DOT Vessel Stowage Location : D - The material must be stowed "on deck only" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers or one passenger per each 3 m of overall vessel length, but the material is prohibited on passenger vessels in which the limiting number of passengers is exceeded.

DOT Vessel Stowage Other : 12 - Keep as cool as reasonably practicable, 25 - Protected from sources of heat, 52 - Stow "separated from" acids, 53 - Stow "separated from" alkaline compounds

TDG

UN-No. (TDG) : UN3109

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according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024) and according to SOR/2015-17, Hazardous Products Regulations (HPR) with its amendment Regulation SOR/2022-272

TDG Special Provisions	: 16 - (1) The technical name of at least one of the most dangerous substances that predominantly contributes to the danger or dangers posed by the dangerous goods must be shown, in parentheses, on the shipping document following the shipping name in accordance with clause 3.5(1)(c)(ii)(A). The technical name must also be shown, in parentheses, on a small means of containment or on a tag following the shipping name in accordance with subsections 4.11(2) and (3). (2) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a shipping document or on a small means of containment when Canadian law for domestic transport or an international convention for international transport prohibits the disclosure of the technical name: (a) UN1544, ALKALOID SALTS, SOLID, N.O.S. or ALKALOIDS, SOLID, N.O.S; (b) UN1851, MEDICINE, LIQUID, TOXIC, N.O.S; (c) UN3140, ALKALOID SALTS, LIQUID, N.O.S. or ALKALOIDS, LIQUID, N.O.S; (d) UN3248, MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S; or (e) UN3249, MEDICINE, SOLID, TOXIC, N.O.S. (3) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a small means of containment: (a) UN2814, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or (b) UN2900, INFECTIOUS SUBSTANCE, AFFECTING ANIMALS.
Explosive Limit and Limited Quantity Index	: 0.125 L
Excepted quantities (TDG)	: E0
Passenger Carrying Vessel Index	: Forbidden
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	: 10 L
Emergency Response Guide (ERG) Number	: 145

IMDG

No data available

IATA

Transport regulations (IATA)	: Air regulations permit shipment of peracetic acid in non-vented containers for Air Cargo Only aircraft, as well as for Passenger and Cargo aircraft. HOWEVER, all peracetic acid containers are vented and therefore, air shipments of peracetic acid are not permitted. IATA air regulations state that venting of packages containing oxidising substances is not permitted for air transport.
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SECTION 15 Regulatory information

15.1. Federal regulations

DECON-SPORE® 200 Plus	
SARA Section 311/312 Hazard Classes	Physical hazard - Oxidizer (liquid, solid or gas) Physical hazard - Organic peroxides Health hazard - Acute toxicity (any route of exposure) Health hazard - Skin corrosion or Irritation Health hazard - Serious eye damage or eye irritation Health hazard - Specific target organ toxicity (single or repeated exposure)

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Hydrogen peroxide (7722-84-1)	
Not subject to reporting requirements of the United States SARA Section 313	
RQ (Reportable quantity, section 304 of EPA's List of Lists)	1000 lb

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according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024) and according to SOR/2015-17, Hazardous Products Regulations (HPR) with its amendment Regulation SOR/2022-272

Hydrogen peroxide (7722-84-1)

SARA Section 302 Threshold Planning Quantity (TPQ)	1000 lb
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Acetic acid (64-19-7)

Not subject to reporting requirements of the United States SARA Section 313

CERCLA RQ	5000 lb
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Peracetic acid (79-21-0)

Subject to reporting requirements of United States SARA Section 313

RQ (Reportable quantity, section 304 of EPA's List of Lists)	500 lb
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SARA Section 302 Threshold Planning Quantity (TPQ)	500 lb
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15.2. International regulations

CANADA

Hydrogen peroxide (7722-84-1)

Listed on the Canadian DSL (Domestic Substances List)

Acetic acid (64-19-7)

Listed on the Canadian DSL (Domestic Substances List)

Peracetic acid (79-21-0)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

Hydrogen peroxide (7722-84-1)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Acetic acid (64-19-7)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Peracetic acid (79-21-0)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

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Component	State or local regulations
Hydrogen peroxide(7722-84-1)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
Acetic acid(64-19-7)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
Peracetic acid(79-21-0)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16 Other information

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS 2024) and according to SOR/2015-17, Hazardous Products Regulations (HPR) with its amendment Regulation SOR/2022-272

Revision date	: 6/17/2026
Issue date	: 9/19/2012
Data sources	: US OSHA HazCom (GHS) 25 May 2012.
Other information	: This chemical is a pesticide product registered by the United States Environmental Protection Agency (#1677-129-68959) and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is KEEP OUT OF REACH OF CHILDREN DANGER PELIGRO. The pesticide label also includes other important information, including directions for use.

Full text of hazard classes and H-statements	
H226	Flammable liquid and vapor
H242	Heating may cause a fire
H271	May cause fire or explosion; strong oxidizer
H272	May intensify fire; oxidizer
H301	Toxic if swallowed
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H330	Fatal if inhaled
H331	Toxic if inhaled
H332	Harmful if inhaled
H335	May cause respiratory irritation
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

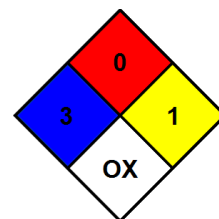
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Abbreviations and acronyms	
	ACGIH (American Conference of Government Industrial Hygienists)
	ATE (Acute Toxicity Estimate)
	CAS (Chemical Abstracts Service) number
	EC50 (Effective Concentration 50%)
	IARC (International Agency for Research on Cancer)
	IATA (International Air Transport Association)
	IMDG (International Maritime Dangerous Goods Code)
	IMO (International Maritime Organisation)
	LC50 (Lethal Concentration 50%)
	LD50 (Lethal Dose 50%)
	OECD (Organisation for Economic Co-operation and Development)
	OSHA (Occupational Safety and Health Administration) (US)
	PBT (Persistent, Bioaccumulative and Toxic)
	SADT (Self-Accelerating Decomposition Temperature)
	STEL (Short Term Exposure Limit)
	TSCA (Toxic Substances Control Act) (US)
	TWA (Time Weighted Average)
	UNxxxx (Number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods)
	vPvB (very Persistent and very Bioaccumulative)

- NFPA health hazard : 3 - Materials that, under emergency conditions, can cause serious or permanent injury.
- NFPA fire hazard : 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.
- NFPA reactivity : 1 - Materials that in themselves are normally stable but can become unstable at elevated temperatures and pressures.
- NFPA specific hazard : OX - Materials that posses oxidizing properties.



- Hazard Rating
- Health : 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given
- Flammability : 0 Minimal Hazard - Materials that will not burn
- Physical : 2 Moderate Hazard - Materials that are unstable and may undergo violent chemical changes at normal temperature and pressure with low risk for explosion. Materials may react violently with water or form peroxides upon exposure to air.

Indication of changes:		
Section	Changed item	Comments
1	Identification	Modified
2	Hazards identification	Modified
3	Composition/Information on ingredients	Modified

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4	First aid measures	Modified
5	Fire fighting measures	Modified
6	Accidental release measures	Modified
7	Handling and storage	Modified
8	Exposure controls / Personal protection equipment	Modified
9	Physical and chemical properties	Modified
10	Stability and reactivity	Modified
11	Toxicological information	Modified
12.	Toxicological information	Modified
13	Disposal considerations	Modified
14	Transport information	Modified
15	Regulatory information	Modified
16	Other information	Modified

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