



SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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Peraside, a Peroxyacetic Acid-Based Sanitizer/Disinfectant

Revision 2
Revision date 2020-01-29

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

1.1. Product identifier

Product name	Peraside, a Peroxyacetic Acid-Based Sanitizer/Disinfectant
Product code	406047

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

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC8] Biocidal products (e.g. Disinfectants, pest control);
Description	Disinfectant.

1.3. Details of the supplier of the safety data sheet

Company	Neogen Corporation
Address	620 Leshler Place Lansing MI 48912 USA
Web	www.neogen.com
Telephone	517-372-9200/800-234-5333
Email	SDS@neogen.com

1.4. Emergency telephone number

24 hours:
Medical: 1-800-498-5743 (U.S. and Canada) or 1-651-523-0318 (international)
Spill/CHEMTREC: 1-800-424-9300 (U.S. and Canada) or 1-703-527-3887 (international)

Further information

Manufactured By:
Preserve International
944 Nandino Blvd.
Lexington, KY 40511-1205 U.S.A.

Preserve International is a wholly-owned subsidiary of Neogen Corporation.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture


2.1.2. Classification - EC 1272/2008	Org. Perox. EF: H242; Ox. Liq. 2: H272; Acute Tox. 4: H302; Skin Corr. 1B: H314; STOT SE 3: H335;
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2.2. Label elements

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2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	Org. Perox. EF: H242 - Heating may cause a fire. Ox. Liq. 2: H272 - May intensify fire; oxidiser. Acute Tox. 4: H302 - Harmful if swallowed. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. STOT SE 3: H335 - May cause respiratory irritation.
Precautionary Statement: Prevention	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P220 - Keep/Store away from clothing//combustible materials. P221 - Take any precaution to avoid mixing with combustibles P234 - Keep only in original container. P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: 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. 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. P312 - Call a POISON CENTER/doctor/ if you feel unwell. P363 - Wash contaminated clothing before reuse.
Precautionary Statement: Storage	P410 - Protect from sunlight.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to an approved hazardous/special waste disposal facility in accordance with local and national regulations

2.3. Other hazards

Other hazards	Contains substance(s) which are hazardous to the environment.
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Further information

	Read the entire label and follow all use directions, restrictions, and precautions.
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SECTION 3: Composition/information on ingredients

3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Hydrogen peroxide solution...% (Hydrogen peroxide)	008-003-00-9	7722-84-1	231-765-0		20 - 30%	Ox. Liq. 1: H271; Acute Tox. 4: H332; Acute Tox. 4: H302; Skin Corr. 1A: H314;
Acetic acid ...% (Acetic acid)	607-002-00-6	64-19-7	200-580-7		10 - 20%	Flam. Liq. 3: H226; Skin Corr. 1A: H314;
1-Hydroxyethane-1,1,-diphosphonic acid		2809-21-4	220-552-8		1 - 10%	Met. Corr. 1: H290; Eye Dam. 1: H318;

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Description	
	Concentrations listed are not product specifications.

Further information	
	Full text of Hazard Statements listed in this Section is provided in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. If breathing is difficult give oxygen. If breathing stops, provide artificial respiration. Seek medical attention if irritation or symptoms persist.
Eye contact	Rinse immediately with plenty of water. Contact lenses should be removed. Seek medical attention.
Skin contact	Rinse immediately with plenty of water. Remove contaminated clothing. Seek medical attention.
Ingestion	DO NOT INDUCE VOMITING unless advised to do so by a doctor. Rinse mouth thoroughly. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

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

Inhalation	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system.
Eye contact	Causes burns. Risk of serious damage to eyes.
Skin contact	Causes burns. Danger of very serious irreversible effects.
Ingestion	Ingestion may cause nausea and vomiting.

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

	Remove the affected person from the source of contamination immediately. Transfer to hospital if there are burns or symptoms of poisoning. IF exposed or concerned: Get medical advice/attention. If medical advice is needed, have product container or label at hand.
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Further information	
	Refer to product label and/or package insert for additional information.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	In case of fire, use carbon dioxide (CO ₂), Alcohol resistant foam, Dry chemical, Foam. Use extinguishing media appropriate to the surrounding fire conditions.
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5.2. Special hazards arising from the substance or mixture

	STRONG OXIDIZER, CONTACT WITH OTHER MATERIAL MAY CAUSE FIRE. Contains substance(s) which are hazardous to the environment. Do not allow runoff water to enter sewers or drains.
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5.3. Advice for firefighters

	In case of fire and/or explosion do not breathe fumes. Wear self contained breathing apparatus and protective clothing.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid sparks, flames, heat and sources of ignition. Ensure adequate ventilation of the working area. Use as appropriate: Protective equipment. Avoid prolonged or repeated exposure.
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6.2. Environmental precautions

	Prevent further spillage if safe. Clean spillage area thoroughly with plenty of water. Do not flush
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6.2. Environmental precautions

into surface water. Do not let product contaminate subsoil.

6.3. Methods and material for containment and cleaning up

Flammable liquid. Absorb with inert, absorbent material. Collect spillage. Transfer to suitable, labelled containers for disposal. Dispose of this material and its container to hazardous or special waste collection point. Do not contaminate water by cleaning of equipment or disposal of wastes. Clean with detergents. Avoid solvents.

6.4. Reference to other sections

See section 2, 8 & 13 for further information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes. Do not eat, drink or smoke in areas where this product is used or stored. Ensure adequate ventilation of the working area. Do not contaminate water by cleaning of equipment or disposal of wastes. Use as appropriate: Protective clothing.
Read the entire label and follow all use directions, restrictions, and precautions.

7.2. Conditions for safe storage, including any incompatibilities

STRONG OXIDIZER, CONTACT WITH OTHER MATERIAL MAY CAUSE FIRE. Store in correctly labelled containers. Keep container tightly closed. Do not contaminate water, food, or feed by storage or disposal. Follow label instructions.

7.3. Specific end use(s)

See Section 1.2 for further information.

Further information

Refer to product label and/or package insert for additional information.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters


8.1.1. Exposure Limit Values

Acetic acid ...% (Acetic acid)	DIR: 2017/164	8hTWA mg/m3: 25
	8hTWA ppm: 10	STEL mg/m3: 50
	STEL ppm: 20	NOT: -
Hydrogen peroxide solution...% (Hydrogen peroxide)	WEL 8-hr limit ppm: 1	WEL 8-hr limit mg/m3: 1.4
	WEL 15 min limit ppm: 2	WEL 15 min limit mg/m3: 2.8
	WEL 8-hr limit mg/m3 total - inhalable dust:	WEL 15 min limit mg/m3 total - inhalable dust:
	WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3 total - respirable dust:
	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 0.05
Sulphuric acid...% (Sulphuric acid (mist))	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: -
	WEL 8-hr limit mg/m3 total - inhalable dust:	WEL 15 min limit mg/m3 total - inhalable dust:
	WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3 total - respirable dust:

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8.2. Exposure controls

	
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Use as appropriate: Protective equipment.
Eye / face protection	Use as appropriate: Suitable eye protection.
Skin protection - Handprotection	Use as appropriate: Chemical-resistant gloves made of any waterproof material.
Skin protection - Other	Use as appropriate: Protective clothing.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Occupational exposure controls	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from food, drink and animal feedingstuffs. Provide chemical shower. Provide eye wash station.

Further information

	Refer to product label for additional PPE requirements and recommendations. Follow label instructions.
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Clear
Odour	Characteristic
Vapour pressure	No data available
Vapour density	No data available
Relative density	1.1 - 1.15
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	Oxidizer
Odour threshold	No data available
pH	2 - 3
Melting point	No data available
Freezing Point	No data available
Initial boiling point	No data available
Flash point	75 °C
Evaporation rate	No data available
Flammability (solid, gas)	Not applicable.
Solubility	Soluble in water

9.2. Other information

VOC (Volatile organic compounds)	No data available
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SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5. Incompatible materials

Contact with combustible material may cause fire. Keep away from combustible materials.

10.6. Hazardous decomposition products

Carbon oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	Harmful if swallowed.
Skin corrosion/irritation	Causes burns. Possible risk of irreversible effects.
Serious eye damage/irritation	Causes severe inflammation and may damage the cornea.
Respiratory or skin sensitisation	May cause allergic reactions in susceptible people.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	Listed by the International Agency for Research on Cancer (IARC) as a group 3 substance: evidence does not support the substance as a human carcinogen, [Hydrogen peroxide, CAS No. 7722-84-1]. Not listed in the National Toxicology Program (NTP) 14th Report on Carcinogens. Not listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Guide to Occupational Exposure Values. Not listed in the OSHA standard 1910.1003 Carcinogens.
Reproductive toxicity	No teratogenic effects reported.
STOT-single exposure	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
STOT-repeated exposure	Components(s) may cause damage to human organs based on animal data.
Aspiration hazard	No Significant Hazard.
Repeated or prolonged exposure	Avoid prolonged or repeated exposure. Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. Delayed appearance of the complaints and development of hypersensitivity (difficult breathing, coughing, asthma) are possible.

11.1.2. Mixtures

See Section(s) 3 for further information.

11.1.3. Hazard Information

See Section(s) 2 and 3 for further information.

11.1.4. Toxicological Information

No data available

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11.1.5. Hazard Class

See Section(s) 2 and 14 for further information.

11.1.6. Classification Criteria

Based on the Globally Harmonised System (GHS) considerations for the classification of mixtures. See Section 15 for regulatory citations.

11.1.7. Information on likely routes of exposure

Eye contact. Skin contact. Inhalation. Ingestion.

11.1.8. Symptoms related to the physical, chemical and toxicological characteristics

See Section(s) 4.2 for further information.

11.1.9. Delayed and immediate effects as well as chronic effects from short and long-term exposure

See Section(s) 4.2 for further information.

11.1.10. Interactive effects

No data available.

11.1.11. Absence of specific data

<1% of this mixture consists of ingredients of unknown acute toxicity.

11.1.12. Mixture versus substance information

See Section(s) 3 for further information.

11.1.13. Other information

Caution - substance not yet fully tested.

SECTION 12: Ecological information

12.1. Toxicity

No data available

12.2. Persistence and degradability

No data is available on this product.

12.3. Bioaccumulative potential

No data is available on this product.

Partition coefficient

Peraside, a Peroxyacetic Acid-Based Sanitizer/Disinfectant	No data available	Acetic acid ...% -0.17 log P
Sulphuric acid...%	Not relevant	

12.4. Mobility in soil

No data is available on this product.

12.5. Results of PBT and vPvB assessment

No data is available on this product.

12.6. Other adverse effects

This pesticide is toxic to aquatic organisms, including fish and invertebrates. Do not apply directly to or near water. Drift and run-off may be hazardous to fish in water adjacent to treated area. Do not contaminate water when disposing of equipment, washwater, or rinsate. See Directions for Use on the product label for additional precautions and requirements.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of as special waste in compliance with local and national regulations.

Disposal methods

Do not contaminate water by cleaning of equipment or disposal of wastes. Do not flush into surface water. Dispose of in compliance with all local and national regulations.

Disposal of packaging

Nonrefillable container. Do not reuse or refill this container.
If empty: Do not reuse this container. Place in trash or offer for recycling, if available.
If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

Further information

Refer to product label and/or package insert for additional information.

SECTION 14: Transport information

Hazard pictograms



14.1. UN number

UN3109

14.2. UN proper shipping name

ORGANIC PEROXIDE, TYPE F, LIQUID (Peroxyacetic acid, stabilized)

14.3. Transport hazard class(es)

ADR/RID	5.2
Subsidiary risk	-
IMDG	5.2
Subsidiary risk	-
IATA	5.2
Subsidiary risk	-

14.4. Packing group

Packing group -

14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

ADR/RID

Hazard ID	539
Tunnel Category	(D)

IMDG

EmS Code F-J S-R

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IATA

Packing Instruction (Cargo)	570
Maximum quantity	25 L
Packing Instruction (Passenger)	570
Maximum quantity	10 L

SECTION 15: Regulatory information

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

Regulations	1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
Chemical Inventories/Right-to-Know Lists:	<p>--International--</p> <p>Basel Convention (Hazardous Waste): H5.2, H8.</p> <p>Chemical Weapons Convention (OPCW): This material contains no reportable components.</p> <p>Kyoto Protocol Greenhouse Gases: This material contains no reportable components.</p> <p>Mercosur Agreement: Not applicable.</p> <p>Montreal Protocol: This material contains no reportable components.</p> <p>The Rotterdam Convention: This material contains no reportable components.</p> <p>The Stockholm Convention: This material contains no reportable components.</p> <p>--Asia and the ASEAN Nations--</p> <p>Catalog of Hazardous Chemicals (China): [903, Hydrogen peroxide, CAS No. 7722-84-1], [2630, Ethanoic acid solution, CAS No. 64-19-7], [1302, Sulfuric acid, CAS No. 7664-93-9].</p> <p>Regulation of Minister of Trade of the Republic of Indonesia, Number 75, Year 2014, regarding The Second Amendment of Minister of Trade, Number 44, Year 2009, Regarding Provision, Distribution, and Control of Hazardous Substances: Usable hazardous and toxic material, [Hydrogen peroxide, CAS No. 7722-84-1], [Acetic acid, CAS No. 64-19-7].</p> <p>Chemical Substances Control Law (Japan): Priority Assessment, (ecosystem), Water Pollution Control Law., [Hydrogen peroxide, CAS No. 7722-84-1], Priority Assessment, (ecosystem), [217, 1-Hydroxyethate-1,1,-diphosphonic acid, CAS No. 2809-21-4].</p> <p>Industrial Safety and Health Act, Dangerous Substances (Japan): Labeling/Notification required, Oxidizing, [Hydrogen peroxide, CAS No. 7722-84-1], Flammable, [Acetic acid, CAS No. 64-19-7].</p> <p>Poisonous and Deleterious Substances Act (Japan): Deleterious, [Hydrogen peroxide, CAS No. 7722-84-1].</p> <p>Chemical Substances Subject to Permission (Korea): Toxic substance, [97-1-2, Hydrogen peroxide, CAS No. 7722-84-1].</p> <p>Restricted or Prohibited Substances (Korea): This material contains no reportable components.</p> <p>Use and Standards of Exposure of Chemicals Hazardous to Health (USECHH), Regulation 2000 (Malaysia): Schedule I exposure standard, CLASS regulation, [Hydrogen peroxide, CAS No. 7722-84-1], [Acetic acid, CAS No. 64-19-7], CLASS regulation, [Sulfuric acid, CAS No. 7664-93-9].</p> <p>Philippine Inventory of Chemicals and Chemical Substances (PICCS): All ingredients listed or exempt.</p> <p>Taiwan Toxic and Concerned Chemical Substances Control Act (TCCSCA): [1/87, Sulfuric acid, CAS No. 7664-93-9].</p> <p>Hazardous Substances Act (Thailand): Type 1, [Hydrogen peroxide, CAS No. 7722-84-1].</p> <p>Law on Chemicals (Vietnam): Subject to conditional industrial production and trading, Subject to compulsory declaration, [Hydrogen peroxide, CAS No. 7722-84-1], Subject to conditional industrial production and trading, [Acetic acid, CAS No. 64-19-7], Appendix VI, Appendix VII, [Sulfuric acid, CAS No. 7664-93-9].</p> <p>--Australia and New Zealand--</p> <p>Australian Dangerous Goods Code: Class 5.2.</p>

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

	<p>Australian Inventory of Chemical Substances (AICS): All ingredients listed or exempt. New Zealand Inventory of Chemicals (NZIoC): All ingredients listed or exempt.</p> <p>--European Union (EU) and the United Kingdom (UK)-- Annex XVII for REACH: This material contains no reportable components. Article 95 of the Biocidal Products Regulation (BPR): [PT1, Hydrogen peroxide, CAS No. 7722-84-1]. Authorisation List (Annex XIV of REACH): This material contains no reportable components.</p> <p>--North America-- Domestic/Non-Domestic Substances Lists (DSL/NDSL): All ingredients listed or exempt. Toxic Substances Control Act (TSCA): All ingredients listed or exempt. Massachusetts Right-to-Know Hazardous Substance List: Acetic acid. New Jersey Worker and Community Right to Know Act: Hydrogen peroxide, Acetic acid. Pennsylvania Right to Know Law: Hydrogen peroxide, Acetic acid. Rhode Island Right-to-Know General Law: Acetic acid (glacial).</p> <p>California Proposition 65: This material contains no reportable components.</p>
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Further information

Additional Regulating Authority:	This product is regulated as a pesticide subject to Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) requirements.
Signal Word	DANGER.
Label Precautions	<p>Keep out of reach of children.</p> <p>Hazards to humans and domestic animals.</p> <p>Corrosive. Causes irreversible eye damage. Causes skin burns. Harmful if swallowed. May be fatal if inhaled. Do not get in eyes, on skin, or on clothing. Do not breathe vapour or spray mist. Wear goggles or face shield and rubber gloves when handling this product. Wear protective clothing.</p> <p>Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.</p>

SECTION 16: Other information

Other information

Revision	<p>This document differs from the previous version in the following areas:.</p> <p>15 - Additional Regulating Authority:.</p> <p>15 - Signal Word.</p> <p>15 - Label Precautions.</p>
Acronyms	<p>ACGIH: American Conference of Governmental Industrial Hygienists.</p> <p>ADR/RID: European Agreements Concerning the International Carriage of Dangerous Goods by Rail (RID) and by Road (ADR).</p> <p>CAS No.: Chemical Abstracts Service.</p> <p>CLASS: Classification, Labelling, and Safety Data Sheet of Hazardous Chemicals Regulation 2013 (Malaysia).</p> <p>GHS: Globally Harmonized System.</p> <p>HCS 2012: U.S. Hazard Communication Standard (2012 revision).</p> <p>IATA: International Air Transport Association.</p> <p>ICAO: International Civil Aviation Organisation.</p> <p>IMDG: International Maritime Dangerous Goods.</p> <p>LC: Lethal concentration.</p> <p>LD: Lethal dose.</p> <p>OEL: Occupational exposure limit.</p> <p>OSHA: U.S. Occupational Safety and Health Administration.</p>

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Other information

	<p>PEL: Permissible Exposure Limit. REACH: Registration, Evaluation, Authorisation, and Restriction of Chemicals. SVHC: Substance of very high concern. UN: United Nations. US DOT: United States Department of Transportation. VOC: Volatile Organic Compound. WEL: Workplace Exposure Limit.</p>
<p>Text of Hazard Statements in Section 3</p>	<p>Ox. Liq. 1: H271 - May cause fire or explosion; strong oxidiser. Ox. Liq. 2: H272 - May intensify fire; oxidiser. Acute Tox. 4: H302 - Harmful if swallowed. Skin Corr. 1A: H314 - Causes severe skin burns and eye damage. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Skin Irrit. 2: H315 - Causes skin irritation. Eye Dam. 1: H318 - Causes serious eye damage. Eye Irrit. 2: H319 - Causes serious eye irritation. Acute Tox. 4: H332 - Harmful if inhaled. STOT SE 3: H335 - May cause respiratory irritation. Flam. Liq. 3: H226 - Flammable liquid and vapour. Met. Corr. 1: H290 - May be corrosive to metals.</p>

Further information

	<p>DISCLAIMER: The information and recommendations set forth herein ("Information") are presented in good faith and believed to be correct as of the date issued. No representation is made regarding the completeness or accuracy of the Information. Further, because of the many factors that affect the use of this product, the Information is supplied upon the condition that the person(s) receiving it will make their own determination regarding its suitability for their own unique purpose(s), prior to use.</p> <p>Except as expressly stated herein, NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF PERFORMANCE, USAGE OF TRADE, OR RESULTS TO BE OBTAINED BY USE OF THIS PRODUCT are made with respect to this product or use of this product. The product covered is furnished "as is" and only subject to the warranties herein provided, no liability is assumed resulting from the use of this product.</p>
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