

2.2. Label elements

SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

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Peraside, a Peroxyacetic Acid-Based Sanitizer/Disinfectant

	Revision date 2020-01-28	
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 t	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 Lesher Place	
	Lansing MI 48912	
Web	USA	
Telephone	www.neogen.com 517-372-9200/800-234-5333	
Email	SDS@neogen.com	
1.4. Emergency telephone numb	'	
1.4. Emergency telephone numb		
	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 identifi	ication	
2.1. Classification of the substar	nce or mixture	
2.1.2. Classification - GHS	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

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.
Further information	
	Read the entire label and follow all use directions, restrictions, and precautions.

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%	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,-diphosphoni	С	2809-21-4	220-552-8		1 - 10%	Met. Corr. 1: H290; Eye Dam.
acid						1: H318;

Description	Revision date 2020-01-29
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 mea	asures
4.1. Description of first aid me	easures
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 symptom	s 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 immedi	ate 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.
Further information	
	Refer to product label and/or package insert for additional information.
SECTION 5: Firefighting r	measures
5.1. Extinguishing media	
	In case of fire, use carbon dioxide (CO2), Alcohol resistant foam, Dry chemical, Foam. Use extinguishing media appropriate to the surrounding fire conditions.
5.2. Special hazards arising t	rom 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.
5.3. Advice for firefighters	
	In case of fire and/or explosion do not breathe fumes. Wear self contained breathing apparatus and protective clothing.
SECTION 6: Accidental re	elease measures
6.1. Personal precautions, pr	otective 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.
6.2. Environmental precautio	ns
	Prevent further spillage if safe. Clean spillage area thoroughly with plenty of water. Do not flush

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ACGIH TLV STEL: -

Skin Designation: -

OSHA PEL 8hr TWA ppm: -

NIOSH REL 10hr TWA mg m3: NIOSH REL 15 min ST mg m3:

6.2. Environmental precautions			
	into surface water. Do not let product conta	minate subsoil.	
6.3. Methods and material for co	ontainment 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	B		
	See section 2, 8 & 13 for further information	n.	
SECTION 7: Handling and s	storage		
7.1. Precautions for safe handling	ng		
	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		
		THER MATERIAL MAY CAUSE FIRE. Store in correctly closed. Do not contaminate water, food, or feed by as.	
7.3. Specific end use(s)			
	See Section 1.2 for further information.		
Further information			
	Refer to product label and/or package inse	rt for additional information.	
SECTION 8: Exposure contr	rols/personal protection		
8.1. Control parameters	· · · · · · · · · · · · · · · · · · ·		
<u> </u>			
Exposure Limit Values			
Acetic acid% (Acetic acid)	ACGIH TLV TWA: 10 ppm	ACGIH TLV STEL: 15 ppm	
	Notations: -	OSHA PEL 8hr TWA ppm: 10	
	OSHA PEL 8hr TWA mg m3: 25	Skin Designation: -	
	NIOSH REL 10hr TWA ppm:	NIOSH REL 10hr TWA mg m3:	
	NIOSH REL 15 min ST ppm:	NIOSH REL 15 min ST mg m3:	

8.2. Exposure controls

Sulphuric acid...% (Sulfuric acid)

ACGIH TLV TWA: 0.2 mg/m³ (T)

OSHA PEL 8hr TWA mg m3: 1

NIOSH REL 10hr TWA ppm:

NIOSH REL 15 min ST ppm:

Notations: A2 (M)

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8.2. Exposure controls

o.z. Exposure controls				
Appropriate engineering controls	Ensure adequate ventilation of the working area.			
Individual protection measures	Use as appropriate: Protective equipment.			
Eye / face protection	Use as appropriate: Suitable eye protection.			
Skin protection - Hand protection	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 feed and/ or feed products. Provide chemical shower. Provide eye wash station.			
Further information				

Refer to product label for additional PPE requirements and recommendations. Follow label instructions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Liquid
Color	Clear
Odor	Characteristic
Vapor pressure	No data available
Vapor 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
Oxidizing properties	Oxidizer
Odor threshold	No data available
pН	2 - 3
Melting point	No data available
Freezing Point	No data available
Boiling point	No data available
Flash point	75 °C
Evaporation rate	No data available
Flammability limits	Not applicable.
Solubility	Soluble in water

9.2. Other information

VOC (Volatile organic	No data available
compounds)	

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SECTION 10: Stability and r	eactivity
10.1. Reactivity	
	Stable under normal conditions.
10.2. Chemical stability	•
,	Stable under normal conditions.
10.3. Possibility of hazardous re	1
10.5. Possibility of flazardous re	
	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 toxicologica	
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 sensitization	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
44.4.0. Mb.4	development of hypersensitivity (difficult breathing, coughing, asthma) are possible.
11.1.2. Mixtures	Con Constitution (a) O for fourth our informati
	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	1
	No data available
	1

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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 Harmonized System (GHS) considerations for the classification of mixtures. See Section 15 for regulatory citations.
11.1.7. Information on likely rout	es 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 dat	a
	<1% of this mixture consists of ingredients of unknown acute toxicity.
11.1.12. Mixture versus substan	ce information
	See Section(s) 3 for further information.
11.1.13. Other information	
	Caution - substance not yet fully tested.
SECTION 12: Ecological info	ormation
12.1. Toxicity	
	No data available
12.2. Persistence and degradab	ility
	No data is available on this product.
12.3. Bioaccumulative potential	·
	No data is available on this product.
Partition coefficient	
	Peraside, a Peroxyacetic No data available Acetic acid% -0.17 log P Acid-Based Sanitizer/Disinfectant Sulphuric acid% Not relevant
12.4. Mobility in soil	
12.4. MODINLY III SOII	No data is available on this product.
12.5. Results of PBT and vPvB	•
12.5. Nesults of FBT and VFVB	No data is available on this product.
12.6. Other adverse effects	1 No data is available on this product.
12.0. Other adverse effects	This posticide is toxic to aquatic organisms, including fish and invertebrates. Do not apply discatly
	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 cons	iderations
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 info	rmation
Hazard pictograms	
	5.2
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)	
DOT	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
DOT	
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	570	
(Passenger)		
Maximum quantity	10 L	

SECTION 15: Regulatory information

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

Regulations

Chemical Inventories/Right-to-Know Lists: Hazard Communication Standard: 29 Code of Federal Regulations 1910.1200: Occupational Safety and Health Standards: Z: Toxic and Hazardous Substances: Hazard Communication.

--International--.

Basel Convention (Hazardous Waste): H5.2, H8.

Chemical Weapons Convention (OPCW): This material contains no reportable components.

Kyoto Protocol Greenhouse Gases: This material contains no reportable components.

Mercosur Agreement: Not applicable.

Montreal Protocol: This material contains no reportable components.

The Rotterdam Convention: This material contains no reportable components.

The Stockholm Convention: This material contains no reportable components.

--Asia and the ASEAN Nations--.

Catalog of Hazardous Chemicals (China): [903, Hydrogen peroxide, CAS No. 7722-84-1], [2630, Ethorogic asid colution, CAS No. 64.40.7], [4303, Sulfario asid colution, CAS No. 7724-84-1], [2630, Ethorogic asid columns as a side of the columns

Ethanoic acid solution, CAS No. 64-19-7], [1302, Sulfuric acid, CAS No. 7664-93-9]. 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].

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].

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]. Poisonous and Deleterious Substances Act (Japan): Deleterious substance, [Hydrogen peroxide, CAS No. 7722-84-1].

Chemical Substances Subject to Permission (Korea): Toxic substance, [97-1-2, Hydrogen peroxide, CAS No. 7722-84-1].

Restricted or Prohibited Substances (Korea): This material contains no reportable components. 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]. Philippine Inventory of Chemicals and Chemical Substances (PICCS): All ingredients listed or exempt.

Taiwan Toxic and Concerned Chemical Substances Control Act (TCCSCA): [1/87, Sulfuric acid, CAS No. 7664-93-9].

Hazardous Substances Act (Thailand): Type 1, [Hydrogen peroxide, CAS No. 7722-84-1]. 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].

--Australia and New Zealand--.

Australian Dangerous Goods Code: Class 5.2.

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

Australian Inventory of Chemical Substances (AICS): All ingredients listed or exempt. New Zealand Inventory of Chemicals (NZIoC): All ingredients listed or exempt.

--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].

Authorization List (Annex XIV of REACH): This material contains no reportable components.

--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).

California Prop 65: This material contains no reportable components.

Inventories

Ingredient	TSCA	MA	SARA313	CALPROP65	CWA307	CAA112	CWA311	SARA302	SARA304
Hydrogen peroxide solution% (Hydrogen peroxide (H2O2))	Y	N	N	N	N	N	N	Y 1,000	Y 1,000
Acetic acid% (Acetic acid)	Υ	N	N	N	N	N	Υ	N	N
Sulphuric acid% (Sulfuric acid)	Υ	Υ	Y 1.0	N	N	N	Υ	Y 1,000	Y 1,000

Further information

Additional Regulating Authority: Signal Word Label Precautions

This product is regulated as a pesticide subject to Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) requirements.

DANGER.

Keep out of reach of children.

Hazards to humans and domestic animals.

GHS: Globally Harmonized System.

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 vapor or spray mist. Wear goggles or face shield and rubber gloves when handling this product. Wear protective clothing. 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.

SECTION 16: Other information

Other information

Other information	
Revision	This document differs from the previous version in the following areas:. 15 - Additional Regulating Authority:. 15 - Signal Word. 15 - Label Precautions.
Acronyms	ACGIH: American Conference of Governmental Industrial Hygienists. ADR/RID: European Agreements Concerning the International Carriage of Dangerous Goods by Rail (RID) and by Road (ADR). CAS No.: Chemical Abstracts Service. CLASS: Classification, Labeling, and Safety Data Sheet of Hazardous Chemicals Regulation 2013 (Malaysia).

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Other information

HCS 2012: Hazard Communication Standard (2012 revision).

IATA: International Air Transport Association.
ICAO: International Civil Aviation Organization.
IMDG: International Maritime Dangerous Goods.

LC: Lethal concentration.

LD: Lethal dose.

OEL: Occupational exposure limit.

OSHA: U.S. Occupational Safety and Health Administration.

PEL: Permissible Exposure Limit.

REACH: Registration, Evaluation, Authorization, 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.

Text of Hazard Statements in Section 3

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.

Further information

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.

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