

### SAFETY DATA SHEET

according to DENR Administrative order N°2015-09 and GHS

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# Peraside, a Peroxyacetic Acid-Based Sanitizer/Disinfectant

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#### 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

- "	1.0. Details of the supplier of the safety data sheet		
С	company name	Neogen Corporation	
Α	ddress	620 Lesher Place	
		ansing MI 48912	
		USA	
V	/eb	www.neogen.com	
Т	elephone number	517-372-9200/800-234-5333	
E	mail	SDS@neogen.com	

#### **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 - GHS	Org. Perox. EF: H242; Ox. Liq. 2: H272; Acute Tox. 4: H302; Skin Corr. 1B: H314; STOT SE 3:
	H335:

#### 2.2. Label elements

#### Hazard pictograms









#### Signal Word

**Hazard Statement** 

Danger

Org. Perox. EF: H242 - Heating may cause a fire. Ox. Liq. 2: H272 - May intensify fire; oxidiser.

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2.2. Label elements	
	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:	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No
Prevention	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:	P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
Response	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.
December 200	
Precautionary Statement:	P410 - Protect from sunlight.
Storage	
Precautionary Statement:	P501 - Dispose of contents/container to an approved hazardous/special waste disposal facility in
Disposal	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,-diphosphonic acid		2809-21-4	220-552-8		1 - 10%	Met. Corr. 1: H290; Eye Dam. 1: H318;

#### 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

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4.1. Description of first aid meas	sures
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 a	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	e 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 me	asures
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 from	n 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 rele	ase measures
	ective 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 precautions	
	Prevent further spillage if safe. Clean spillage area thoroughly with plenty of water. Do not flush into surface water. Do not let product contaminate 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.

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#### 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)	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: -
Sulphuric acid% (Sulfuric acid)	ACGIH TLV TWA: 0.2 mg/m³ (T)	ACGIH TLV STEL: -
	Notations: A2 (M)	OSHA PEL 8hr TWA ppm: -
	OSHA PEL 8hr TWA mg m3: 1	Skin Designation: -

#### 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

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8.2. Exposure controls		
	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

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	No data available
compounds)	

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	al 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].  The exact percentage (concentration) of composition has been withheld as a trade secret. Not listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Guide to Occupational Exposure Values.  US State Regulations: New Jersey Right-to-Know Hazardous Substances List: This material contains no listed components.  Pennsylvania Right-to-Know Hazardous Substance List: This material contains no listed components.
	Massachusetts Right-to-Know Toxic or Hazardous Substances List: This material contains no listed components.
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	1
	No data available
11.1.5. Hazard Class	•
	See Section(s) 2 and 14 for further information.
11.1.6. Classification Criteria	<del>.</del>
	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.

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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 da	ta
	<1% of this mixture consists of ingredients of unknown acute toxicity.
11.1.12. Mixture versus substar	nce 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 degradate	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
	Oulphane acid 70 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.
SECTION 13: Disposal cons	siderations
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.

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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	ormation
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	
ADR/RID	5.2
Subsidiary risk	1
IMDG	5.2
Subsidiary risk	Ţ-
IATA	5.2
Subsidiary risk	<u> </u> -
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
IATA	·
Packing Instruction (Cargo)	570
Maximum quantity	25 L
Packing Instruction (Passenger)	570
Maximum quantity	10 L

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

Regulations

Chemical Inventories/Right-to-Know Lists: According to DENR Administrative order N°2015-09 and GHS

--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,

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, [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.

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].

Authorisation 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.

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

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 Proposition 65: This material contains no reportable components.

#### **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.

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. 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

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, Labelling, and Safety Data Sheet of Hazardous Chemicals Regulation 2013 (Malaysia).

GHS: Globally Harmonized System.

HCS 2012: U.S. Hazard Communication Standard (2012 revision).

IATA: International Air Transport Association.
ICAO: International Civil Aviation Organisation.
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, 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.

# 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.

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#### Other information

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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