

SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

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Peraside, a Peroxyacetic Acid-Based Cleaner and Disinfectant

Revision 0
Revision date 2018-11-07

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

1.1. Product identifier

Product name	Peraside, a Peroxyacetic Acid-Based Cleaner and 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	regulatorysupport@neogen.com

1.4. Emergency telephone number

Emergency telephone number	1-800-234-5333
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Further information

Manufactured By:	Preserve International 944 Nandino Blvd. Lexington, KY 40511-1205 U.S.A.
Hotline(s):	Preserve International is a wholly-owned subsidiary of Neogen Corporation. Medical: United States (1-800-498-5743), International (1-651-523-0318). Spill/CHEMTREC: United States (1-800-424-9300), International (1-703-527-3887).

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;
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2.2. Label elements

Hazard pictograms



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2.2. Label elements

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.
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. P270 - Do no eat, drink or smoke when using this product. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P301+P312 - IF SWALLOWED: Call a POISON CENTER/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 POISON CENTER/doctor/ . P321 - Specific treatment (see on this label). P330 - Rinse mouth. P363 - Wash contaminated clothing before reuse. P370+P378 - In case of fire: Use to extinguish.
Precautionary Statement: Storage	P405 - Store locked up. P410 - Protect from sunlight. P411+P235 - Store at temperatures not exceeding °C/°F. Keep cool. P420 - Store away from other materials.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to an approved waste disposal facility in accordance with local and national regulations.

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;

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	May cause dizziness and headache. Move the exposed person to fresh air. Seek medical attention.
Eye contact	Causes severe inflammation and may damage the cornea. Rinse immediately with plenty of water

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4.1. Description of first aid measures

Skin contact	for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Ingestion	Causes burns. Remove contaminated clothing. Wash off immediately with plenty of soap and water. Seek medical attention if irritation or symptoms persist.
	Harmful if swallowed. Ingestion may cause nausea and vomiting. Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show this container or label.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
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5.2. Special hazards arising from the substance or mixture

	OXIDIZER, CONTACT WITH OTHER MATERIAL MAY CAUSE FIRE. Heat will increase pressure in sealed containers. Risk of explosion if heated under confinement. Burning produces irritating, toxic and obnoxious fumes.
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5.3. Advice for firefighters

	Self-contained breathing apparatus. Wear protective clothing.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area. Wear suitable protective equipment.
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6.2. Environmental precautions

	Prevent further spillage if safe. Clean spillage area thoroughly with plenty of water.
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6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
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6.4. Reference to other sections

	See section 2, 8, and 13 for further information.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.
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7.2. Conditions for safe storage, including any incompatibilities

	Avoid contact with: Direct sunlight. Keep in a cool, dry, well ventilated area. Keep containers tightly closed.
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7.3. Specific end use(s)

	See section 1.2 for further information.
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Further information

	Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Use only with adequate ventilation. Do not breathe dust, mist, or vapor. Use corrosion-resistant transfer equipment when dispensing.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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8.1. Control parameters

Exposure Limit Values

Acetic acid ...% (Acetic acid)	<p>ACGIH TLV TWA: 10 ppm Notations: - OSHA PEL 8hr TWA mg m3: 25 NIOSH REL 10hr TWA ppm: NIOSH REL 15 min ST ppm:</p>	<p>ACGIH TLV STEL: 15 ppm OSHA PEL 8hr TWA ppm: 10 Skin Designation: - NIOSH REL 10hr TWA mg m3: NIOSH REL 15 min ST mg m3:</p>
Sulphuric acid...% (Sulfuric acid)	<p>ACGIH TLV TWA: 0.2 mg/m³ (T) Notations: A2 (M) OSHA PEL 8hr TWA mg m3: 1 NIOSH REL 10hr TWA ppm: NIOSH REL 15 min ST ppm:</p>	<p>ACGIH TLV STEL: - OSHA PEL 8hr TWA ppm: - Skin Designation: - NIOSH REL 10hr TWA mg m3: NIOSH REL 15 min ST mg m3:</p>

8.2. Exposure controls

	
Appropriate engineering controls	Ensure adequate ventilation of the working area.
Individual protection measures	Wear chemical protective clothing.
Eye / face protection	Approved safety goggles. Face shield.
Skin protection - Hand protection	Chemical resistant gloves (PVC).
Respiratory protection	Use as appropriate: Wear suitable protective equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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9.1. Information on basic physical and chemical properties

State	Liquid
Color	Clear
Odor	No data available
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.
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
Oxidising properties	Oxidizer
Odour threshold	No data available
pH	2 - 3
Solubility	Miscible in water

SECTION 10: Stability and reactivity

10.1. Reactivity

	Oxidizer.
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10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	Organic materials.
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10.4. Conditions to avoid

	Avoid sparks, flames, heat and sources of ignition. Keep away from. Direct sunlight.
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10.5. Incompatible materials

	Avoid contact with: Organic materials. Contact with combustible material may cause fire.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	Harmful by inhalation and if swallowed.
Skin corrosion/irritation	Causes burns.
Serious eye damage/irritation	Causes severe inflammation and may damage the cornea.
Respiratory or skin sensitisation	No sensitization effects reported.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	Not found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs, Volumes 1-112. Not listed in the National Toxicology Program (NTP) 13th Report on Carcinogens. Not listed in the OSHA standard 1910.1003 Carcinogens.

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11.1. Information on toxicological effects

Reproductive toxicity	No teratogenic effects reported.
Repeated or prolonged exposure	Avoid prolonged or repeated exposure.

11.1.4. Toxicological information

Acetic acid ...%	Oral Rat LD50: 3310 mg/kg Inhalation Rat LC50/4 h: 11.4 mg/L	Dermal Rabbit LD50: 1112 mg/kg
Sulphuric acid...%	Inhalation Rat LC50/2 h: 510 mg/m ³	Oral Rat LD50: 2140

SECTION 12: Ecological information

12.1. Toxicity

Acetic acid ...%	Daphnia EC50/48h: 300.8200 mg/l	Rainbow trout LC50/96h: >1000 mg/L
Sulphuric acid...%	Fish LC50/96h: 42.0000 mg/l	Daphnia LC50/24h: 29

12.2. Persistence and degradability

	No data available.
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12.3. Bioaccumulative potential

Partition coefficient

	Peraside, a Peroxyacetic Acid-Based Cleaner and Disinfectant Sulphuric acid...% Not relevant	Acetic acid ...% -0.17 log P
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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.
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Disposal methods

	Dispose of in compliance with all local and national regulations.
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Disposal of packaging

	Do NOT reuse empty containers. Do not burn or incinerate. Empty containers can be sent for disposal or recycling.
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SECTION 14: Transport information

Hazard pictograms

	
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14.1. UN number

	UN3109
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14.2. UN proper shipping name

	ORGANIC PEROXIDE, TYPE F, LIQUID
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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	-
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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 (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	<p>Hazard Communication Standard: 29 Code of Federal Regulations 1910.1200: Occupational Safety and Health Standards: Z: Toxic and Hazardous Substances: Hazard Communication.</p> <p>All chemicals in this product are TSCA listed or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory. TSCA - United States Toxic Substances Control Act Section 8(b) Inventory.</p> <p>US State Regulations:</p> <p>New Jersey Right-to-Know Hazardous Substance List: Peracetic acid (Peroxyacetic acid)</p> <p>Pennsylvania Right-to-Know Hazardous Substance List: Peracetic acid (Peroxyacetic acid).</p> <p>Massachusetts Right-to-Know Hazardous Substance List: Peracetic acid (Peroxyacetic acid).</p> <p>Rhode Island Right-to-Know Hazardous Substance List: Peracetic acid (Peroxyacetic acid).</p>
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Inventories

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Inventories

Ingredient	TSCA	MA	SARA313	CALPROP65	CWA307	CAA112	CWA311	SARA302	SARA304
Hydrogen peroxide solution...% (Hydrogen peroxide (H ₂ O ₂))	Y	N	N	N	N	N	N	Y 1,000	Y 1,000
Acetic acid ...% (Acetic acid)	Y	N	N	N	N	N	Y	N	N
Sulphuric acid...% (Sulfuric acid)	Y	Y	Y 1.0	N	N	N	Y	Y 1,000	Y 1,000

SECTION 16: Other information

Other information

Text of Hazard Statements in Section 3	<p>Ox. Liq. 1: H271 - May cause fire or explosion; strong oxidiser.</p> <p>Ox. Liq. 2: H272 - May intensify fire; oxidiser.</p> <p>Acute Tox. 4: H302 - Harmful if swallowed.</p> <p>Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.</p> <p>Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.</p> <p>Skin Irrit. 2: H315 - Causes skin irritation.</p> <p>Eye Dam. 1: H318 - Causes serious eye damage.</p> <p>Eye Irrit. 2: H319 - Causes serious eye irritation.</p> <p>Acute Tox. 4: H332 - Harmful if inhaled.</p> <p>STOT SE 3: H335 - May cause respiratory irritation.</p> <p>Flam. Liq. 3: H226 - Flammable liquid and vapour.</p> <p>Met. Corr. 1: H290 - May be corrosive to metals.</p>
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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, EXPRESSED 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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