

Premium Peroxide III

SAFETY DATA SHEET

Preparation Date: 12-Dec-2017

Revision Date: 07-Aug-2025

Revision Number: 4

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Identifier

Product Name Premium Peroxide III

Other means of identification

Item#: 2070

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended use Sanitizer, Restricted to professional users

Uses advised against All other

Details of the supplier of the safety data sheet

Supplier DeLaval Cleaning Solutions
11100 N. Congress Ave.
Kansas City, MO 64153 : 816-891-7700, 8am – 5pm M-F

Emergency Telephone Number

Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin Corrosion/Irritation	Category 1 Sub-category A
Serious eye damage/eye irritation	Category 1
Oxidizing liquids	Category 2
Organic peroxides	Type F
Corrosive to metals	Category 1

Label Elements

Emergency Overview

DANGER

Hazard Statements

Causes severe skin burns and eye damage

May intensify fire; oxidizer

Heating may cause a fire

May be corrosive to metals

**Appearance** Clear Colorless**Physical state** Liquid**Odor** Pungent vinegar-like**Precautionary Statements - Prevention**

Do not breathe dust/fume/gas/mist/vapors/spray
 Wash face, hands and any exposed skin thoroughly after handling
 Wear protective gloves/protective clothing/eye protection/face protection
 Keep/Store away from clothing/ combustible materials
 Take any precaution to avoid mixing with combustibles
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking
 Keep only in original container

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor/physician
 Specific treatment (see .? on this label)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

In case of fire: Use CO₂, dry chemical, or foam for extinction.
 Absorb spillage to prevent material damage.

Precautionary Statements - Storage

Store locked up
 Store away from other materials
 Store in corrosive resistant container with a resistant inner liner

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Hydrogen peroxide	7722-84-1	20 - 30
Acetic acid	64-19-7	1 - 10
Peracetic acid	79-21-0	1 - 10
Methane sulfonic acid	75-75-2	<1

If a concentration range is shown, the exact concentration has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first-aid measures

Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician immediately.
Skin contact	Wash off immediately with plenty of water for at least 15 minutes. Consult a physician.
Inhalation	Move to fresh air. Give oxygen or artificial respiration if needed. If symptoms persist, call a physician.
Ingestion	Do not induce vomiting. Drink 1 or 2 glasses of water. Call a physician or Poison Control Center immediately. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

Oxidizing agent. Contact with combustible material may cause fire. The product causes burns of eyes, skin and mucous membranes.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water.

Unsuitable Extinguishing Media

dry chemical, Carbon dioxide (CO₂), Foam.

Specific hazards arising from the chemical

The product causes burns of eyes, skin and mucous membranes.

Sensitivity to static discharge None.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA

Health hazards 3

Flammability 1

Instability 1

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid contact with the skin and the eyes. Use personal protective equipment.

Environmental Precautions

Prevent further leakage or spillage if safe to do so.

Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). DO NOT use combustible materials such as sawdust. Drying of this product on clothing or combustible materials may cause fire. After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Handling

Keep away from clothing and other combustible materials. Wear personal protective equipment. Ensure adequate ventilation.

Conditions for safe storage, including any incompatibilities

Storage

Keep containers tightly closed in a dry, cool and well-ventilated place. Store in a receptacle equipped with a vent. Store in upright position only. Keep away from direct sunlight. Do not store near combustible materials. Do not store on wooden pallets. Store at temperatures not exceeding 30°C/ 86°F. Store locked up. Store away from other materials. Store in corrosive resistant container with a resistant inner liner.

Incompatible Materials

organic materials, reducing agents, bases, heavy metals

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Only constituents with exposure limits are listed. Any constituent not listed has no known exposure limit.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hydrogen peroxide 7722-84-1	TWA: 1 ppm	TWA: 1 ppm TWA: 1.4 mg/m ³	75 ppm
Acetic acid 64-19-7	TWA: 10 ppm STEL: 15 ppm	TWA: 10 ppm TWA: 25 mg/m ³	50 ppm
Peracetic acid 79-21-0	STEL: 0.4 ppm		-

Appropriate engineering controls**Engineering Controls**

Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment**Eye/face Protection**

Goggles. Face-shield.

Skin and body protection

Wear protective gloves and protective clothing.

Respiratory Protection

In case of inadequate ventilation wear respiratory protection.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid	Odor	Pungent vinegar-like
Appearance	Clear Colorless	Odor Threshold	No information available
<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>	
pH	3 (1%)		
Melting point/freezing point	No information available		
Boiling Point/Range	No information available		
Flash Point	No information available		
Evaporation rate	No information available		
Flammability (solid, gas)	No information available		
Flammability Limit in Air			
Upper flammability limit	No information available		
Lower flammability limit	No information available		
Vapor Pressure	No information available		
Vapor Density	No information available		
Specific Gravity	1.12		

Water Solubility	soluble
Partition coefficient: n-octanol/water	No information available
Autoignition Temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	2 cP
Dynamic viscosity	No information available

Other information

Liquid Density	9.4 lb/gal
SADT (For Organic Peroxides Only)	>50°C

10. STABILITY AND REACTIVITY**Reactivity**

May react with other chemicals. Do not mix with other chemicals except as directed on label.

Chemical Stability

Stable under normal conditions.

Possibility of hazardous reactions

None known.

Conditions to Avoid

Extremes of temperature and direct sunlight. Protect from contamination.

Incompatible Materials

organic materials, reducing agents, bases, heavy metals

Hazardous decomposition products

Decomposition will release oxygen which may increase the intensity of a fire.

11. TOXICOLOGICAL INFORMATION

<u>Principal Routes of Exposure</u>	Eye contact, Skin contact, Ingestion, Inhalation
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Information on likely routes of exposure

Eyes	Corrosive to the eyes and may cause severe damage including blindness.
Skin	Causes burns.
Ingestion	Ingestion causes burns of the upper digestive and respiratory tracts.
Inhalation	May cause irritation of respiratory tract.

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

Sensitization	Product is not identified as a sensitizer according to OSHA regulations.
Mutagenic effects	Product is not identified as a mutagen according to OSHA regulations.
Carcinogenicity	The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Hydrogen peroxide 7722-84-1	A3	Group 3	Not Listed	Not Listed

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - *Confirmed animal carcinogen with unknown relevance to humans*

IARC (International Agency for Research on Cancer)

Group 3 - *Not classifiable*

Reproductive Effects
STOT - single exposure

Product is not identified as having reproductive effects according to OSHA regulations.
Product is not identified as having single target organ toxicity (single exposure) according to OSHA regulations.

STOT - repeated exposure

Product is not identified as having single target organ toxicity (repeated exposure) according to OSHA regulations.

Aspiration Hazard

Product is not identified as an aspiration hazard according to OSHA regulations.

Numerical measures of toxicity

If available, toxicity values of individual components are shown below.

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Hydrogen peroxide 7722-84-1	500 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 0.17 mg/l vapour (49.3% H ₂ O ₂)
Acetic acid 64-19-7	3310 mg/kg (Rat)	1060 mg/kg (Rabbit)	11.4 mg/L (Rat) 4 h
Peracetic acid 79-21-0	85 mg/kg (Rat)	56.1 mg/kg (Rabbit)	0.204 mg/l (Rat) (mist)
Methane sulfonic acid 75-75-2	= 380 mg/kg (Rat)	> 1000 mg/kg (Rabbit)	= 330 ppm (Rat) 6 h

7% of the mixture consists of ingredient(s) of unknown toxicity

12. ECOLOGICAL INFORMATION

Ecotoxicity

If available, ecotoxicity values of individual components are shown below.

Chemical name	Algae/aquatic plants	Fish	Microtox	Waterflea
Hydrogen peroxide 7722-84-1	No data available	10.0 - 32.0: 96 h Oncorhynchus mykiss mg/L LC50 static 18 - 56: 96 h Lepomis macrochirus mg/L LC50 static 16.4: 96 h Pimephales promelas mg/L LC50	No data available	18 - 32: 48 h Daphnia magna mg/L EC50 Static
Acetic acid 64-19-7	> 300 mg/l	> 300 mg/l	EC50 = 8.8 mg/L 15 min EC50 = 8.8 mg/L 25 min EC50 = 8.8 mg/L 5 min	65: 48 h Daphnia magna mg/L EC50 Static
Peracetic acid 79-21-0	EC50 = 0.18-1.0 mg/l (48h)	LC50 = 0.9-2.0 mg/l (96h)	No data available	EC50 = 0.5-0.1 mg/l (48h)
Methane sulfonic acid 75-75-2	No data available	73: 96 h Oncorhynchus mykiss mg/L LC50 static	No data available	12: 48 h Daphnia pulex mg/L EC50

Persistence and degradability

No information available.

Bioaccumulation/Accumulation

No information available.

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods**Waste Disposal Method**

Should not be released into the environment. Dispose of in accordance with local regulations.

Contaminated Packaging

Empty remaining contents. Triple rinse containers. Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION**DOT**

UN-No 3109
Proper Shipping Name Organic Peroxide, Type F, Liquid (Peracetic acid)
Hazard Class 5.2 (8)
Packing Group II

15. REGULATORY INFORMATION**State Regulations**

Chemical name	New Jersey	Massachusetts	Pennsylvania
Hydrogen peroxide 7722-84-1	X	X	X
Acetic acid 64-19-7	X	X	X
Peracetic acid 79-21-0	X	X	X
Methane sulfonic acid 75-75-2	X	Not Listed	Not Listed

U.S. EPA Label information

EPA Pesticide registration number 4959-50

EPA Statement

This chemical is a pesticide product registered by the Environmental Protection Agency 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, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

EPA Pesticide label

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. CORROSIVE.

Causes irreversible eye damage and skin burns. Harmful if absorbed through the skin. Harmful if swallowed. Do not breathe vapors or spray mist. Do not get in eyes, on skin, or on clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Wear overalls worn over long-sleeved shirt and long pants, socks, chemical-resistant footwear, and gloves. Wear protective eyewear (goggles, face shield, or safety glasses). Remove contaminated clothing and wash before reuse.

Physical or Chemical Hazards

STRONG OXIDIZING AGENT. CORROSIVE. Mix only with potable water below 140° F. Product must be diluted in accordance with label directions prior to use. This product is not combustible; however, at temperatures exceeding 156°F, decomposition occurs releasing oxygen. The oxygen released could initiate combustion.

Environmental Hazards:

This pesticide is toxic to birds, fish and aquatic organisms. Caution must be used when applying indoors because pets may be at risk. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in

accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA. Not harmful to septic tanks.

16. OTHER INFORMATION

Preparation Date: 12-Dec-2017

Revision Date: 07-Aug-2025

Revision Note: None

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of SDS