

Safety Data Sheet (SDS)

Section 1: Chemical Product and Company Identification

Cat# : 9816

Part Name: Peroxigen

Supplier: Decon Laboratories Inc.

460 Glennie Circle King of Prussia, Pa 19406
SDS Telephone # (610) 755-0800

Emergency Telephone Numbers

US Chemtrec: (800) 424-9300

Canada: (703) 527-3887

Identified uses: Laboratory use

Section 2: Hazards Identification:

Hazard Overview

Eye irritant 2A – H319

Signal Word: WARNING



Hazard and Precautionary Statements

H319 Causes serious eye irritation.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P333 + 313 If eye irritation persists get medical attention.

NFPA Rating

Hazard Ratings:

These ratings are Decon Laboratories Inc.'s own assessments of the properties of the material using the ANSI/NFPA 704 Standard. Additional information can be found by consulting in the NFPA published ratings lists (List 325 and list 49).

If no data is listed the information is not available

Health 1 Flammability 0 Reactivity 1

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Section 3: Composition/ Information on ingredients

Note: Items listed with a CASRN number have no CAS# available

Item#	Name	EINECS	CAS #	% in Product
1	Hydrogen Peroxide		7722-84-1	6

Section 4: First Aid Measures

May be irritating to mucous membranes and to respiratory system.
Frequent or prolonged contact with skin may cause dermal irritation.
May cause irritation to mouth, throat, and gastrointestinal tract if ingested.

Eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately get medical attention

Skin contact

Immediately flush skin with plenty of water for at least 15 minutes. Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention

Inhalation

Remove to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Get medical attention.

Ingestion

Do NOT induce vomiting. If victim completely conscious/alert. Rinse mouth. Give water or milk if the person is fully conscious. Immediately call a POISON CENTER or doctor/physician.

Section 5: Fire-Fighting Measures

Suitable extinguishing media: Flood with plenty of water

Unsuitable extinguishing media: Organic compounds. Hydrogen Peroxide may react with a variety of organic materials and could possibly form explosive mixtures, shock sensitive compounds and initiate fire. Foam is not effective as oxygen and heat continue to generate under the foam blanket.

Hazardous Decomposition Products in case of fire:

On decomposition releases oxygen which may intensify fire. Containers may swell and burst during a fire due to internal pressure caused by heat.

Special Protective Equipment: Use special contained breathing apparatus. Do not enter fire without proper protective equipment, including respiratory protection.

Additional info:

Oxygen evolution decomposition may burst sealed containers and accelerate the burning rates of other combustible materials. Damp material in contact with paper, wood, cloth, etc. may cause spontaneous combustion of the organic material

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Section 6: Accidental Release measures

Any information listed below is to be considered in addition to internal guidelines for isolation of spill, containment of spill, removal of ignition sources from immediate area, and collection for disposal of spill by trained, properly protected clean up personnel.

- Personal Protection:** Wear gloves and safety glasses
Evacuate unprotected personnel from the area.
- Environmental Precautions:** Ventilate the area
Prevent entry into basements, low areas or confined areas.
And sewers or public waters. Notify authorities if liquid enters
sewers or public waters.
- Cleanup Methods:** Use appropriate personal protective equipment.
Shut off source of leak if safe to do so.
Contain any spills with dykes or absorbents to prevent migration
and entry into sewers or streams. Soak up spills with inert solids
such as clay as soon as possible. Collect spillage. Store away
from other materials. Do not absorb in sawdust, paper cloth or
other combustible absorbents. Comply with applicable local and
national and international regulations.

Section 7: Handling and Storage

- Handling:** Read label before use. Provide good ventilation in process area to prevent
formation of vapour. Avoid all eye and skin contact and do not breathe vapor
and mist. Keep away from incompatible materials. Wash hands and other
exposed areas with mild soap and water before eating, drinking or smoking
and when leaving work. Do not wear leather soled shoes.
- Take care for general good hygiene and housekeeping. Wash hands
thoroughly after handling. Do not eat, drink or smoke when using this product.
Contaminated clothing should be washed thoroughly in order to eliminate a
delayed potential fire hazard
- Storage:** Provide adequate ventilation. A washing facility/water for eye and skin
cleaning purposes should be present.
Keep only in the original container in a cool, well ventilated place. Keep
container closed when not in use.
- Incompatible
Materials** Strong alkalis. Strong oxidizing agents. Organic materials. Reducing agents.
Metal salts. Alkali metals. wood. Paper. Copper and its alloys.
- Prohibitions on
mixed storage** : Do not store near oxidizing agents. Keep away from incompatible materials.
- Storage area** : Store in dry, cool, well-ventilated area.

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Special rules on packaging : Correctly labelled.

Section 8: Exposure Controls/ Personal Protection

Preventative Measures:

Personnel should not eat, drink or smoke while using. Ensure personnel are wearing appropriate protective equipment based upon conditions.

Engineering Controls:

Ensure area is well-ventilated.
Emergency eye wash stations and showers should be available in the immediate vicinity

Personal Protection:

The use of eye protection in the form of safety glasses with side shields and the use of skin protection for hands in the form of gloves are considered minimum and non-discretionary in work places and laboratories. Any recommended personal protection equipment or environmental equipment is to be considered as additional to safety glasses and gloves.

Eyes: **Wear safety glasses at all times when using this product**

Skin: Wear suitable protective clothing. Use gloves constructed of chemical resistant materials

Respiratory: Work in well-ventilated zones or use proper protection. Wear appropriate mask

Chemical-resistant gloves should be worn whenever this material is handled. The glove material has to be impermeable and resistant to the product. Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough. Rinse and remove gloves immediately after use. Wash hands with soap and water. All glove recommendations presume that the risk of exposure is through splash and not intentional immersion of the hands into the product. Since glove permeation data does not exist for this material, no recommendation for the glove material can be given for the product. Permeation data must be obtained from the glove manufacturer to determine if the glove is suitable for the task.

Section 9: Physical and Chemical Properties

Formula:	Mixture	Vapor Pressure:	No data
Formula weight:	No data	Vapor Density:	No data
Boiling Point:	No data	Density:	Ca. 1.021 g/ml
Melting Point:	No data	Specific Gravity	
Flash Point:	No data	pH:	4.1
Solubility:	Complete solubility in water	Appearance:	Clear, colorless liquid

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Oxidizing Properties: Oxidizer

VOC Content: No data

Section 10: Stability and Reactivity:

Chemical Stability: Stable under normal conditions

Conditions to Avoid: Extremely high or low temperatures

Incompatibility with other materials: Strong alkalis. Strong oxidizers. Organic materials. Reducing agent. Alkali metals. Metal salts. Readily oxidizable materials such as paper, wood, sulfur and aluminum. Copper and its alloys.

Hazardous Decomposition Products: Carbon monoxide. Carbon dioxide. Toxic fumes may be released.

Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information

Acute Data: Not classified

Hydrogen peroxide (7722-84-1)	
LD50 oral rat	801 mg/kg
LD50 dermal rat	4060 mg/kg
LD50 dermal rabbit	2000 mg/kg
LC50 inhalation rat (mg/l)	2 g/m ³ (Exposure time: 4 h)
ATE (oral)	801,000 mg/kg bodyweight
ATE (dermal)	2000,000 mg/kg bodyweight
ATE (gases)	4500,000 ppmV/4h
ATE (vapours)	2,000 mg/l/4h
ATE (dust,mist)	2,000 mg/l/4h

Skin corrosion/irritation	: Not classified pH: 4.1
Serious eye damage/irritation	: Causes serious eye irritation. pH: 4.1
Respiratory or skin sensitisation	: Not classified Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified Based on available data, the classification criteria are not met

Section 12: Ecological Information

Hydrogen peroxide (7722-84-1)	
LC50 fishes 1	16.4 mg/l (Exposure time: 96 h - Species: Pimephales promelas)
EC50 Daphnia 1	7.7 mg/l (Exposure time: 24 h - Species: Daphnia magna)
EC50 other aquatic organisms 1	2.5 mg/l (Exposure time: 72 h - Species: Chlorella vulgaris)

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LC50 fish 2	18 - 56 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 Daphnia 2	18 - 32 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])

Section 13: Disposal Considerations

Dispose in accordance with federal, state and local regulations. Empty containers should be thoroughly rinsed with large quantities of clean water. Consult the appropriate authorities about waste disposal.

Section 14: Transportation Information

Proper Shipping Name:

Chemical Name:

UN #

Class

Packing Group:

Note:

*Non-hazardous for
Transportation*

Section 15: Regulatory Information

Listed on the United States TSCA (Toxic Substances Control Act) inventory.

Listed on SARA Section 302 (Specific toxic chemical listings)

SARA Section 302 Threshold Planning Quantity (TPQ)

1000 (concentration >52%)

This product has been classified in accordance with the hazard criteria of the CPR (Controlled Products Regulations) and this SDS (Safety Data Sheet) contains all information required by CPR.

Section 16: Other Information

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End of Safety Data Sheet