

Safety Data Sheet (SDS)

Section 1: Chemical Product and Company Identification

Cat# : 4301

Part Name: Sporgon

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

Causes serious eye damage.
Wear eye protection.

GHS Classification

Eye damage Category 1

Signal Word: DANGER



Hazard and Precautionary Statements

H318 Causes serious eye damage

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.

310 Immediately call a POISON CENTER or doctor

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 2 Flammability 0 Reactivity 0

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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	7.35
2	Peracetic Acid		79-21-0	0.23
3	Water and non-hazardous ingredients		Mixture	92.42

Section 4: First Aid Measures

Eye Contact: Hold eye open and rinse slowly and gently with water for 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Seek immediate medical attention.

Skin Contact: Wash with soap and water. Seek medical attention if irritation develops and persists. Remove and launder contaminated clothing.

Inhalation: Move to fresh air if effects occur and seek medical attention if effects persist.

Ingestion: If the victim is alert, have them rinse their mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Do not attempt to give anything by mouth to an unconscious person. Seek medical advice by calling a Poison Center or doctor.

Most important symptoms and effects, acute and delayed: Causes irreversible eye irritation or damage. May cause skin irritation. Inhalation of mists may cause irritation of the mucous membranes and upper respiratory tract. Ingestion may cause gastrointestinal irritation, nausea and diarrhea.

Indication of immediate medical attention and special treatment, if needed: If eye contact occurs, get immediate medical attention.

Section 5: Fire-Fighting Measures

Suitable (and Unsuitable) Extinguishing Media: Use any media that is suitable for the surrounding fire. Cool fire exposed containers with water.

Specific Hazards Arising from the Chemical: Fire exposed containers may rupture during a fire. This product contains oxidizers. These may concentrate through evaporation of the water. Do not allow this product to dry on clothing, rags or other combustible material as this may result in fire. Thoroughly rinse contaminated clothing or other material with water. Thermal decomposition will release oxygen.

Special Protective Equipment and Precautions for Fire-fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored.

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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 precautions, Protective equipment, and Emergency procedures: Wear appropriate eye protection. Ventilate the area. Clear the area of unprotected people. Keep spill away from combustible materials.

Methods and Materials for Containment and Cleaning up: Collect material with an inert, non- combustible absorbent material and place in appropriate, labeled container for disposal.

Section 7: Handling and Storage

Precautions for Safe Handling: Avoid contact with eyes, skin and clothing. Avoid generating and breathing mists. Wear appropriate eye protection when handling. 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. Do not allow this product to dry on clothing, rags or other combustible material as this may result in fire. Thoroughly rinse contaminated clothing or other material with water.

Conditions for Safe Storage, Including any Incompatibilities: Store at room temperature.

Section 8: Exposure Controls/ Personal Protection

Exposure Limits

Chemical	Exposure Limit
Hydrogen Peroxide	1 ppm ACGIH TLV 1 ppm OSHA PEL
Peracetic Acid	None Established

Appropriate Engineering Controls: General ventilation should be adequate for normal use. For operations where the exposures are exceed the exposure limit, mechanical ventilation such as local exhaust may be needed.

Respiratory Protection: None under normal use conditions with adequate ventilation. For operations where the occupational exposures are excessive, a NIOSH approved supplied air respirator is recommended. Equipment selection depends on contaminant type and concentration. Select in accordance with 29 CFR 1910.134 and good industrial hygiene practice. For firefighting, use self- contained breathing apparatus.

Hand protection: Impervious gloves such as butyl rubber are recommended if needed to avoid prolonged/repeated skin contact.

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Eye Protection: Safety goggles are recommended to prevent eye contact.

Skin Protection: Wear protective clothing if needed to avoid prolonged/ repeated skin contact.

Hygiene measures: Suitable eye wash and washing facilities should be available in the work area.

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.

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

Appearance:	Yellow liquid	Odor:	Slight acidic odor
Odor Threshold:	Not available	pH:	1.8-2.2
Melting/Freezing Point:	Not available	Boiling Point/Range:	212°F (100°C)
Flash Point:	None	Evaporation Rate:	Same as water
Flammability: (Solid, Gas)	Not applicable	Flammability Limits:	N/A
Vapor Pressure:	21 mmHg @ 25°C	Vapor Density:	Same as water
Relative Density:	1.035	Solubilities:	Complete
Partition Coefficient: (N-Octanol/Water)	Not available	Autoignition Temperature:	Not flammable
Decomposition Temperature:	Not available	Viscosity:	Not available

Section 10: Stability and Reactivity:

Reactivity: None known.

Chemical Stability: Stable.

Possibility of Hazardous Reactions: None known.

Conditions to avoid: Do not use if the product has been frozen, becomes cloudy or has visible precipitants.

Incompatible Materials: Avoid strong reducing agents, cyanides, nitric acid, potassium permanganate and heavy metals. Avoid product contact with combustible materials. Do not allow this product to dry on clothing, rags or other combustible material as this may result in fire. Thoroughly rinse contaminated clothing or other material with water.

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Hazardous decomposition products: Decomposition may produce carbon monoxide, carbon dioxide and oxygen.

Section 11: Toxicological Information

Potential Health Effects:

Inhalation: Inhalation of mists may cause irritation of the nose, throat and upper respiratory tract.

Skin Contact: May cause skin irritation. Whitening of the skin may occur which is expected to return to normal within approximately 1 hour. Compliance was not irritating to rabbit skin in a primary dermal irritation test.

Eye Contact: May cause serious irritation or damage with tearing, redness and pain. Irreversible tissue damage may occur. Compliance was shown to cause irreversible eye damage in rabbit's eyes in an ocular irritation test.

Ingestion: Ingestion may cause gastrointestinal irritation with nausea and diarrhea.

Chronic Hazards: None currently known. Compliance was negative in the AMES test for mutagenicity.

Medical Conditions Aggravated By Exposure: None currently known.

Carcinogen: None of the components is listed as a carcinogen or potential carcinogen by IARC, NTP, ACGIH, or OSHA.

Acute Toxicity Values:

Product: Oral rat LD50 >5 g/kg; Dermal rabbit LD50 >2000 mg/kg

Section 12: Ecological Information

Toxicity: No toxicity data available for product.

Hydrogen Peroxide: 96 hr LC50 pimephales promelas 16.4 mg/L; 48 hr LC50 daphnia pulex 2.4 mg/L; 72 hr EC 50 skeletonema costatum 1.38

Peracetic Acid: 96 hr oncorhynchus mykiss LC50 0.53 mg/L; 48 hr EC50 daphnia magna EC50 0.73 mg/L; 72 hr EC50 pseudokirchnerella subcapitata 0.16 mg/L

Section 13: Disposal Considerations

Solution Disposal: For unused solution, dispose of in accordance with Federal, State, and local regulations. For used solution, the waste solution must be characterized by the generator and disposed of in accordance with Federal, State, and local regulations.

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Container Disposal: Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available.

Section 14: Transportation Information

Proper Shipping Name: Non-hazardous Liquid

Chemical Name:

UN #

Class

Packing Group:

Note:

Not Regulated

Section 15: Regulatory Information

All components of this product are on the TSCA public inventory.

U.S. Federal Regulations:

EPA SARA 311/312 Hazard Classification: Acute Health Hazard

EPA SARA 313: This Product Contains the Following Chemicals Subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None

Protection Of Stratospheric Ozone: This product is not known to contain or to have been manufactured with ozone depleting substances as defined in 40 CFR Part 82, Appendix A to Subpart A.

CERCLA SECTION 103: This product is not subject to CERCLA reporting requirements; however, many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

International Inventories

US EPA TSCA Inventory: All of the components of this product are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory or exempt.

Canadian Environmental Protection Act: All of the components in this product are listed on the Domestic Substances List (DSL) or exempt.

Australia: All of the components in this product are listed on the Australian Inventory of Chemical Substances (AICS) or exempt.

China: All of the components in this product are listed on the Inventory of Existing Chemical Substances in China (IECSC) or exempt.

Korea: All of the components in this product are listed on the Korean Existing Chemicals List (KECL) or exempt.

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New Zealand: All of the components in this product are listed on the New Zealand Inventory of Chemicals (NZIoC) or exempt.

Philippines: All of the components of this product are listed on the Philippines Inventory of Chemicals and Chemical Substances (PICCS) or exempt.

Taiwan: All of the components of this product are listed on the National Existing Chemical Inventory (NECI) in Taiwan.

Section 16: Other Information

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End of Safety Data Sheet