

27120 SW 95th Avenue
 P.O. Box 570
 Wilsonville, OR 97070-0570
 USA
 (503) 570-2500

MATERIAL SAFETY DATA SHEET

EMERGENCY ASSISTANCE - 24 hour

For emergency assistance involving chemicals call CHEMTREC (800) 424-9300.

SECTION 1: MATERIAL INFORMATION

Common Name: CATALASE TEST REAGENT
Synonyms: Hydrogen Peroxide 3%, Peroxide, Hydrogen Dioxide
Catalog Number: R6450, R6452
CAS #: 7722-84-1
WARNING: POISON, CAUSTIC

SECTION 2: HAZARDOUS INGREDIENTS

<u>Hazardous Components</u>	<u>CAS #</u>	<u>Chemical Family</u>	<u>Molecular Formula</u>	<u>Approximate Concentration</u>
Hydrogen Peroxide	7722-84-1	Peroxide	H ₂ O ₂	3%

SECTION 3: PHYSICAL DATA

Appearance: Colorless liquid	pH: N/AV	Vapor Density: N/AV
Boiling Point: N/AV	Solubility in Water: Appreciable	Flash Point: N/AV
Melting Point: N/AV	Vapor Pressure: N/AV	Evaporation Rate: N/AV
Odor: Sharp odor	Specific Gravity: N/AV	

SECTION 4: FIRE AND EXPLOSION HAZARD

Flammable: No

Flammable Limits:
 Upper: N/AP Lower: N/AP

Extinguish Media:
 Water, fog, flood, fire-exposed containers with water to cool.

Special Hazards:
 Wear self-contained, positive-pressure breathing apparatus and full protective clothing.

Unusual Fire and Explosion Hazards:
 May intensify a fire.

SECTION 5: REACTIVITY DATA

Stable: **Unstable:** _____
Conditions to Avoid:
 Heat, sparks, open flame
Materials to Avoid:
 Water -
 Acids -
 Bases -
 Corrosives -
 Oxidizers -
 Other: Organic materials, powdered metals, rust

Hazardous Decomposition Products:
 None

SECTION 6: HEALTH HAZARD DATA

To the best of our knowledge, the chemical, physical, and toxicological properties of this mixture have not been thoroughly investigated. Presented below are specific data on each of the subcomponent ingredients:

<u>Hazardous Component</u>	<u>%</u>	<u>Threshold Limit Value</u>	<u>TXDS</u>
Hydrogen Peroxide	3%	N/AV	N/AV

Effects of Overexposure (Acute and Chronic):

Possible eye damage, can be delayed up to 1 week. Irritation of nasal and respiratory passages, bleaching, possible blistering of skin with prolonged contact. Ingestion irritating to esophagus and stomach causing bleeding.

Carcinogenicity: These products do not contain any carcinogens at 0.1% or greater.

First Aid Procedure:

Skin Contact: Flush with copious amounts of water.

Eye Contact: Flush with copious amounts of water for 15 minutes. Seek medical help.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration; if breathing is difficult, give oxygen; seek medical attention.

Ingestion: Dilute by giving water. Do not induce vomiting. Seek medical attention.

In all cases of overexposure seek medical attention.

Wash contaminated clothing before reuse.

SECTION 7: SPILL OR LEAK PROCEDURES AND DISPOSAL

Steps to be taken if Material is Released or Spilled:

Ventilate area. Pick up with absorbent material.

Waste Disposal Method:

Observe all local, provincial, state, and federal regulations.

SECTION 8: SPECIAL PROTECTION INFORMATION

Provide adequate general mechanical and local exhaust ventilation.

Avoid prolonged or repeated inhalation of vapor.

Protect eyes, skin, and clothing with safety goggles and gloves.

Wash thoroughly after handling.

SECTION 9: SPECIAL HANDLING AND STORAGE PRECAUTIONS

Keep container tightly closed. Protect against physical damage. Store in a cool, dry place; keep protected from light.

SECTION 10: MSDS PREPARATION AND INFORMATION

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Revised By: Charissa H. Bolind

Authorized Signature:



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