



SAFETY DATA SHEET (SDS) - MycoFog® Reagent

1. IDENTIFICATION

Product Identifier: MycoFog Reagent; Other means of identification: 7.8% Hydrogen Peroxide Solution
Recommended Use: Disinfectant; Restrictions on Use: None known; Manufacturer/Supplier: MycoFog
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HAZARD IDENTIFICATION

Classification (GHS US OSHA 29 CFR 1910.1200) Physical Hazards:

- Oxidizing liquids: Category 3 Health Hazards:
 - Skin corrosion/irritation: Category 2
 - Serious eye damage/eye irritation: Category 1
 - Specific target organ toxicity (single exposure), respiratory tract irritation: Category 3
- Environmental Hazards:
- Not classified

Label Elements

Signal Word: DANGER

Pictograms:

- Flame over circle (oxidizer)
- Corrosion (serious eye damage/skin irritation)
- Exclamation mark (respiratory irritation)

Hazard Statements:

- H272: May intensify fire; oxidizer.
- H315: Causes skin irritation.
- H318: Causes serious eye damage.
- H335: May cause respiratory irritation.



Precautionary Statements:

Prevention:

- P210: Keep away from heat, sparks, open flames, and hot surfaces. No smoking.
- P220: Keep/Store away from clothing/combustible materials.
- P221: Take any precaution to avoid mixing with combustibles.
- P261: Avoid breathing mist or vapor.
- P264: Wash hands thoroughly after handling.
- P280: Wear protective gloves, protective clothing, eye protection, and face protection.

Response:

- P302+P352: IF ON SKIN: Wash with plenty of water.
- P332+P313: If skin irritation occurs: Get medical advice/attention.
- 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 or doctor/physician.
- P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Storage:

- P403+P233: Store in a well-ventilated place. Keep container tightly closed.
- P405: Store locked up.

Disposal:

- P501: Dispose of contents/container in accordance with local/regional/national/international regulations.



2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name: Hydrogen Peroxide Common Name: Hydrogen Peroxide Solution 7.8% CAS Number: 7722-84-1 Concentration: 7.8%

3. FIRST AID MEASURES

Inhalation: Move person to fresh air. If respiratory irritation or difficulty breathing occurs, seek medical attention. Skin Contact: Remove contaminated clothing. Wash skin with plenty of water. If irritation develops, get medical attention. Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Get immediate medical attention. Ingestion: Rinse mouth. Do NOT induce vomiting. Seek immediate medical attention.

Most important symptoms: Irritation to eyes, skin, respiratory tract; possible delayed symptoms. Notes to physician: Provide symptomatic and supportive care.

4. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water spray, dry chemical, carbon dioxide. Unsuitable extinguishing media: Do not use water jet. Specific hazards: Releases oxygen which may intensify fire. Special protective equipment: Firefighters should wear full protective gear and self-contained breathing apparatus.

5. ACCIDENTAL RELEASE MEASURES

Personal precautions: Keep unnecessary personnel away. Wear appropriate protective equipment. Environmental precautions: Avoid discharge to drains or waterways. Methods for cleanup: Absorb with inert material. Collect in suitable containers for proper disposal. Rinse spill area with water.

6. HANDLING AND STORAGE

Precautions for safe handling: Avoid breathing vapors or mists. Avoid contact with eyes, skin, and clothing. Use adequate ventilation. Storage conditions: Store in original container, tightly closed, in cool, dry, well-ventilated area away from incompatible materials. Incompatible materials: Combustibles, reducing agents, organic materials, strong bases, metals.

7. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits:

- OSHA PEL (TWA): 1 ppm (1.4 mg/m³)
- ACGIH TLV (TWA): 1 ppm



Engineering controls: Use local exhaust ventilation. Personal protective equipment (PPE):

- Eye protection: Safety goggles or face shield
- Skin protection: Protective gloves (e.g. rubber, nitrile)
- Respiratory protection: NIOSH-approved respirator if exposure limits exceeded
- General hygiene: Wash hands after handling. Do not eat, drink, or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear liquid Odor: Slightly sharp Odor threshold: Not available pH: 1.5 - 2.5 Melting point/freezing point: Approx. -11°C (30°F) Boiling point: ~108°C (226°F) Flash point: Not applicable Evaporation rate: Similar to water Flammability: Not flammable Vapor pressure: Slightly higher than water Relative density (SG): 1.0112 - 1.0312 Solubility: Completely soluble in water Partition coefficient: Not available Auto-ignition temperature: Not applicable Decomposition temperature: > 100°C Viscosity: Similar to water Oxidizing properties: Oxidizer

10. STABILITY AND REACTIVITY

Reactivity: Decomposes to oxygen and water, especially when exposed to heat or contamination. Chemical stability: Stable under recommended storage conditions. Possibility of hazardous reactions: Contact with incompatible materials may release oxygen and heat. Conditions to avoid: Heat, contamination, sunlight, incompatible materials. Incompatible materials: Reducing agents, organic materials, strong bases, metals. Hazardous decomposition products: Oxygen.

11. TOXICOLOGICAL INFORMATION

Likely routes of exposure: Inhalation, skin contact, eye contact, ingestion. Acute toxicity:

- Oral LD50 (rat): ~1026 mg/kg (male), ~694 mg/kg (female)
- Dermal LD50 (rabbit): >2000 mg/kg
- Inhalation LC50 (rat, 4 h): >170 mg/m³ Skin corrosion/irritation: Category 2 - causes irritation Serious eye damage/irritation: Category 1 - causes serious eye damage Respiratory or skin sensitization: Not expected Carcinogenicity: Not classified as carcinogenic by IARC, NTP, OSHA. Germ cell mutagenicity: Not classified
- Reproductive toxicity: Not classified STOT - single exposure: Respiratory tract irritation STOT - repeated exposure: Not classified Aspiration hazard: Not applicable

12. ECOLOGICAL INFORMATION



Ecotoxicity:

- Algae IC50 (72 h): 2.5 mg/L
- Daphnia EC50 (48 h): 7.7 mg/L Persistence and degradability: Rapidly degrades to oxygen and water Bioaccumulation: Not bioaccumulative Mobility in soil: Readily mobile

13. DISPOSAL CONSIDERATIONS

Disposal instructions: Dispose of contents/container in accordance with federal, state, and local regulations. Waste code: To be assigned by waste processor. Contaminated packaging: Rinse container thoroughly before disposal.

14. TRANSPORT INFORMATION

DOT (US): Not regulated for ground transport under 8% concentration IATA: Not regulated (less than 8% H2O2) IMDG: Not regulated for sea transport

15. REGULATORY INFORMATION

US Federal Regulations:

- OSHA Hazard Communication: Hazardous chemical per 29 CFR 1910.1200
- TSCA: Listed
- EPCRA (SARA Title III):
 - Section 302: Not subject
 - Section 311/312: Immediate Health Hazard, Reactive Hazard
 - Section 313: Not subject
- CERCLA: Not listed

State Regulations:

- California Proposition 65: Not listed
- Listed in multiple state RTK lists (MA, NJ, PA, RI, MN, IL, TX)

Canadian Regulations:

- WHMIS 2015 (HPR): Classified
- CEPA DSL: Listed



16. OTHER INFORMATION

SDS Revision Date: June 17, 2025 Prepared by: **MycoFog® Div. Etaluma Inc.**

DISCLAIMER: The information provided in this Safety Data Sheet is believed to be accurate but is not warranted to be so. Users should make their own investigations to determine the suitability of the information for their particular purposes.