

MATERIAL SAFETY DATA SHEET

COMPLIANCE

Sterilant/High-Level Disinfectant

1 - IDENTIFICATION

Manufacturer: Metrex Research Corporation
Address: 28210 Wick Road
City, State, Zip: Romulus, MI 48174
Telephone: 1-800-841-1428
Emergency: Chemtrec 1- 800-424-9300
Date Prepared: October 21, 2003

2 - COMPOSITION INFORMATION

Hazardous Ingredients

	<u>CAS #</u>	<u>PEL</u>	<u>TLV</u>	<u>%</u>
Hydrogen Peroxide	7722-84-1	1 ppm*	1.4 mg/m ³ *	7.35

*Limit value based upon 52 % concentration by weight.

Other Ingredients

	<u>CAS #</u>	<u>PEL</u>	<u>TLV</u>	<u>%</u>
Peracetic Acid	79-21-0	N/A	N/A	0.23
Water and other inert ingredients	N/A	N/A	N/A	92.42

3 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 212 °F
Specific Gravity (H₂O = 1): 1.035 ±0.005 g/ml
Vapor Pressure (mm Hg): 21 @ 25 °C
Vapor Density (AIR = 1): N/A
Solubility in Water: Complete
Appearance/Odor: Yellow liquid with a slightly acidic odor
pH: 1.8 – 2.2

4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): N/A
Flammable Limits: LEL: N/A **UEL:** N/A
Extinguishing Media: Dry chemical, foam CO₂ or water spray.
Special Fire Fighting Procedures: Normal fire-fighting procedures may be used. Use caution when approaching fire exposed containers.
Unusual Fire and Explosion Hazards: Containers may burst in heat of fire.

5 - REACTIVITY DATA

Stability: Stable solution
Conditions to Avoid: Contamination by gross soil
Incompatibility (Material to Avoid): Incompatible with cyanides, nitric acid, potassium permanganate, reducing agents, heavy metals (i.e., iron, copper, chromium, cobalt and caustic). Although inhibited, other than short-term contact with copper, zinc and brass causes corrosion.

Hazardous Polymerization: Will not occur

6 - HEALTH HAZARD DATA

Routes of Entry:
Skin: Mild to moderate irritation. Whitening of the skin may occur which is expected to return to normal within approximately 1 hour.
Eyes: Serious eye irritant. May cause irreversible tissue damage.
Inhalation: Low or mild irritation of the nose, throat and lungs.
Ingestion: May irritate or burn mucosa membrane.
Carcinogenicity - NTP: No
IARC Monographs: No **OSHA Regulated Carcinogen:** No

7 - EMERGENCY FIRST AID PROCEDURES

Skin: Wash skin with soap and water for 15 minutes. If irritation persists, seek medical attention.
Eyes: Immediately flush with water for 15 minutes. Seek medical attention.
Inhalation: Remove to fresh air. If irritation persists, seek medical attention.
Ingestion: Drink large quantities of water or milk and seek medical attention immediately. Consideration should be given to careful endoscopy as stomach or endotracheal burns, perforations, or strictures may occur.

8 - PRECAUTIONS FOR SAFE HANDLING & USE

Steps to be taken in case material is released or spilled: Ventilate area; wear protective gloves and eye gear. Wipe with sponge, mop or towel. Flush with large quantities of water. Collect liquid and discard it.
Waste Disposal Method: Container must be triple rinsed and disposed of in accordance with federal, state and/or local regulations. Used solution should be disposed of in accordance with federal, state and/or local regulations.
Precautions to be taken in handling and storing: Use in well-ventilated area. It is common for containers to swell during shipping and storage.
Other Precautions: Keep out of reach of children. Do not ingest. Avoid skin and eye contact. Avoid contamination of food.

9 - CONTROL MEASURES

Respiratory Protection: Use in a well-ventilated area.
VENTILATION:
Local Exhaust: Adequate ventilation to maintain recommended exposure limit
Mechanical (General): Should be sufficient
Protective Gloves: Earliest Compliance permeation time: Butyl rubber (>8 hrs), double-gloved latex (6 hrs), double-gloved nitrile (4 hrs), single-gloved latex (1.5 hrs) or single-gloved nitrile (1 hr). Refer to specific glove usage recommendations.
Eye Protection: Safety glasses or face shield
Work/Hygiene Practices: Prompt rinsing of hands after contact. Handle in accordance with good personal hygiene and safety practices. These practices include avoiding unnecessary exposure.

10 - TRANSPORTATION INFORMATION

Not regulated by DOT, IATA or IMO.

11 - SPECIAL INFORMATION

HMIS (Hazardous Material Identification System) Rating:
H3 F0 R1
[HMIS Hazard Index: 4 – Severe Hazard; 3 – Serious Hazard; 2 – Moderate Hazard; 1 – Slight Hazard; 0 – Minimum Hazard]

Note: This MSDS was prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200) and is to be used only for this product. The information contained in this MSDS is, to the best of our knowledge, believed to be accurate.