

MATERIAL SAFETY DATA SHEET

ENVIROCIDE

Surface Disinfectant/Decontaminant Cleaner

1 - IDENTIFICATION

Manufacturer: Metrex Research Corporation
Address: 28210 Wick Road
City, State, Zip: Romulus, MI 48174
Telephone: 1-800-841-1428
Emergency: Chemtree 1- 800-424-9300
Date Prepared: January 12, 2005

2 - COMPOSITION INFORMATION

Hazardous Ingredients

| | <u>CAS #</u> | <u>PEL</u> | <u>TLV</u> | <u>%</u> |
|---------------------------------|--------------|------------|------------|----------|
| Isopropanol | 67-63-0 | 400ppm | N/A | 17.20 |
| Ethylene Glycol Monobutyl Ether | 111-76-2 | 50ppm | 25ppm | 3.0 |

Other Ingredients

Water and other inert ingredients

3 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 191 °F
Specific Gravity (H₂O = 1): 0.974 at 25 °C
Vapor Pressure (mm Hg): Similar to water
Vapor Density (AIR = 1): Similar to water
Freezing/Melting Point: -10°C
Solubility in Water: 100%
Appearance and Odor: Clear to amber liquid with minty odor
pH: 11.00 - 12.49

4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 83°F (ASTM D-93) Closed Cup
Flammable Limits: LEL: N/A UEL: N/A
Extinguishing Media: Carbon dioxide, dry chemical, foam
Special Fire Fighting Procedures: N/A
Unusual Fire and Explosion Hazards: N/A

5 - REACTIVITY DATA

Stability: Stable solution
Conditions to Avoid: Avoid temperatures above 120°F and evaporation of water.
Incompatibility (Material to Avoid): Acids
Hazardous Decomposition Byproducts: Oxides of carbon
Hazardous Polymerization: Will not occur.

6 - HEALTH HAZARD DATA

Routes of Entry:
Skin: Not considered an irritant.
Eyes: Contact with eyes can cause reversible damage.
Inhalation: Low or mild irritation
Ingestion: May be harmful if swallowed.
Carcinogenicity - NTP: No
IARC Monographs: No **OSHA Regulated Carcinogen:** No

7 - EMERGENCY FIRST AID PROCEDURES

Skin: Wash skin with soap and water.
Eyes: Flush with water for 15 minutes. If irritation persists, seek medical attention.
Inhalation: Remove to fresh air. If irritation persists, seek medical attention.
Ingestion: Do not induce vomiting. Give large amounts of water. Seek medical attention.

8 - PRECAUTIONS FOR SAFE HANDLING & USE

Steps to be taken in case material is released or spilled: Ventilate area. Wipe or absorb with inert material and transfer to suitable container for disposal in accordance with federal, state and local regulations.
Waste Disposal Method: Wastes resulting from the use of this product must be disposed of in accordance with federal, state, and local regulations. Do not reuse empty container. Dispose of container in accordance with federal, state and local regulations.
Precautions to be taken in Handling and Storing: Store product in original sealed container at room temperature.
Other Precautions: Keep out of reach of children. Do not ingest. Avoid eye contact and 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: Not required if used as directed.
Eye Protection: Not required if used as directed.
Work/Hygiene Practices: Handle in accordance with good personal hygiene and safety practices. These practices include avoiding unnecessary exposure.

10 - TRANSPORTATION INFORMATION

DOT:

This product is not regulated by DOT for ground transportation under the aqueous alcohol exemption per 49 CFR 173.150 (E)(1)(2).

IATA, IMO:

Proper Shipping Name: Alcohol n.o.s. (Isopropanol, aqueous solution)
Hazard Class: 3
Identification Number: 1987
Packaging Group: III
Label: Flammable Liquid

11 - SPECIAL INFORMATION

HMIS (Hazardous Material Identification System) Rating:
H1 F2 R0
[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.