

# 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:** Chemtrec 1-800-424-9300  
**Date Prepared:** August 16, 2001

### 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

	<u>CAS#</u>	<u>PEL</u>	<u>TLV</u>	<u>%</u>
Water and other inert ingredients	N/A	N/A	N/A	79.80

### 3 - PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point:** 191 °F  
**Specific Gravity (H<sub>2</sub>O = 1):** 0.974 at 25 °C  
**Vapor Pressure (mm Hg):** Same as water.  
**Vapor Density (AIR = 1):** Same as water.  
**Freezing/Melting Point:** -10°C  
**Solubility in Water:** 100%  
**Appearance and Odor:** Clear to amber liquid with minty odor  
**pH:** 11.0 - 12.5

### 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 and alkalines will neutralize active ingredient.  
**Hazardous Decomposition Byproducts:** Oxides of carbon  
**Hazardous Polymerization:** Will not occur

### 6 - HEALTH HAZARD DATA

**Routes of Entry:**  
**Skin:** Moderate irritation.  
**Eye:** Contact with eyes can cause reversible damage.  
**Inhalation:** Low or mild irritation.  
**Carcinogenicity -** NTP: No  
**IARC Monographs:** No OSHA Regulated Carcinogen: No

### 7 - EMERGENCY FIRST AID PROCEDURES

**Eyes:** Flush with water for 15 minutes. If irritation persists, seek medical attention.  
**Skin:** Wash skin with soap and water.  
**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 up or rinse with tap water.  
**Waste Disposal Method:** Flush thoroughly with water into sewage disposal system in accordance with federal, state, and local regulations. Do not reuse empty container. Wrap container and put in trash.  
**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 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:** 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

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

### 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.

# 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:** Chemtrec 1- 800-424-9300  
**Date Prepared:** August 16, 2001

### 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

	<u>CAS #</u>	<u>PEL</u>	<u>TLV</u>	<u>%</u>
Water and other inert ingredients	N/A	N/A	N/A	79.80

### 3 - PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point:** 191 °F  
**Specific Gravity (H<sub>2</sub>O = 1):** 0.974 at 25 °C  
**Vapor Pressure (mm Hg):** Same as water.  
**Vapor Density (AIR · 1):** Same as water.  
**Freezing/Melting Point:** -10°C  
**Solubility in Water:** 100%  
**Appearance and Odor:** Clear to amber liquid with minty odor  
**pH:** 11.0 - 12.5

### 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 and alkalines will neutralize active ingredient.  
**Hazardous Decomposition Byproducts:** Oxides of carbon  
**Hazardous Polymerization:** Will not occur

### 6 - HEALTH HAZARD DATA

**Routes of Entry:**  
**Skin:** Moderate irritation.  
**Eye:** Contact with eyes can cause reversible damage.  
**Inhalation:** Low or mild irritation.  
**Carcinogenicity -** NTP: No  
**IARC Monographs:** No OSHA Regulated Carcinogen: No

### 7 - EMERGENCY FIRST AID PROCEDURES

**Eyes:** Flush with water for 15 minutes. If irritation persists, seek medical attention.  
**Skin:** Wash skin with soap and water.  
**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 up or rinse with tap water.  
**Waste Disposal Method:** Flush thoroughly with water into sewage disposal system in accordance with federal, state, and local regulations. Do not reuse empty container. Wrap container and put in trash.  
**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 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:** 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

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

### 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.