

# MATERIAL SAFETY DATA SHEET

## METRIGUARD

Surface Disinfectant/Decontaminant Cleaner

### 1 - IDENTIFICATION

**Manufacturer:** Metrex Research  
**Address:** 28210 Wick Road  
**City, State, Zip:** Romulus, MI 48174  
**Telephone:** 1-800-841-1428  
**Emergency:** Chemtrec 1- 800-424-9300  
**Date Prepared:** August 2009

### 2 - COMPOSITION INFORMATION

#### Hazardous Ingredients

	<u>CAS #</u>	<u>PEL</u>	<u>TLV</u>	<u>%</u>
Isopropanol	67-63-0	400ppm	N/A	10-20
Ethylene Glycol Monobutyl Ether	111-76-2	50ppm	25ppm	1-5

#### Other Ingredients

Water and other inert ingredients

### 3 - PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point:** 191 °F  
**Specific Gravity (H<sub>2</sub>O = 1):** 0.970 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. Triple rinse empty container. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration or, if allowed by state and local authorities, by burning. If burned, keep out of smoke.  
**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.