

**MATERIAL SAFETY DATA SHEET**

MSDS NUMBER:

Rev. 11/02

24 HOUR EMERGENCY NUMBER: CHEMTREC 1-800-424-9300

**PRODUCT: OBC Emulsifier**

**FORMULATOR:**

Envirospec (A division of Hi-Tech Jetting Technologies, Inc.)

751 Martin Luther King Highway

Homerville, GA 31634

9912) 487-1778

**SECTION I – NAME(S)**

Chemical Name(s) & Synonyms: **Ethylene glycol monobutyl ether; Glycol Ether EB**

Chemical Family: Glycol Ether Description; **Colorless Liquid** CAS NO: 111-76-2

**SECTION II – NORMAL HANDLING PROCEDURES**

Precautions to be taken in Handling and Storage: May be harmful if swallowed. Avoid contact with eyes, skin, or clothing. Upon contact with skin or eyes, wash off with water. Store in cool, dry, well-ventilated place away from all sources of ignition. Avoid breathing mist or vapor. Avoid contact with oxidizers.

Protective Equipment: **Eyes – Goggles, Gloves – Neoprene, Other** not normally required.

Ventilation Equipment: **As required to keep airborne concentrations below the TLV.**

**SECTION III – HAZARDOUS INGREDIENTS**

Basic Material: OSHA PEL      LD50      Significant Effects

Ethylene glycol      25ppm/.902kg/l Irritant to eyes and mucous membranes

Monomethyl ether      20 C      Gastrointestinal Upset

**SECTION IV – FIRE AND EXPLOSION HAZARD DATA**

Flash Point, Method: 150 degrees TCC    OSHA Classification: Combustible Liquid

Flammable Explosive Limit:      Lower: 2.5      Upper: 19.8

Extinguishing Media:      Water spray, dry chemical, alcohol foam or carbon Dioxide

Special Fire Hazard & Fire Fighting Procedures: Water spray should be used to cool five exposed containers and/or to disperse unignited vapors. Use NIOSH/MSHA approved positive pressure self-contained breathing apparatus when any material involved in a fire.

**SECTION V – HEALTH HAZARD DATA**

Threshold Limit Value: 5.0 ppm (skin) (1987-88)

Symptoms of over Exposure: May be fetotoxic. Lethargy, narcosis, GI upset, damage to liver, lung, kidneys, elements of formed blood and tests. Irritating eyes.

OBC Emulsifier

Skin: Immediately flush with water. Washing any substance off skin is a good safety practice.

Eyes: Immediately flush with water for 15 minutes. Call a physician.

Ingestion: Immediately drink large quantities of water. If conscious, induce vomiting by sticking finger down throat. Call a physician.

Inhalation: Immediately remove victim to fresh air. Call a physician.

#### **SECTION VI – TOXICOLOGY INFORMATION**

No Data

#### **SECTION VII – SPILL AND LEAKAGE PROCEDURES (Control Procedures)**

Action for Material Release of Spill: Wear ISGA/MSHA approved positive pressure supplied air respirator. Follow OSHA regulations for respirator use (see 29 CFR 1910.134). Wear goggles, coveralls, neoprene gloves and boots. Remove all sources of ignition. Add non-combustible dry absorbent, shovel or sweep up and place in an approved DOT container. Allow to stabilize before sealing. Wash all contaminated clothing before reuse. In the event of a large spill, call CHEMTREC at 1-800-424-9300.

Transportation Emergency: Contact CHEMTREC 1-800-424-9300

Waste Disposal Method: Dispose of contaminated product, empty containers and material used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate Federal, State and local regulatory agencies to ascertain proper disposal procedures.

#### **SECTION VIII – SHIPPING DATA**

D.O.T: Ethylene glycol monomethyl ether, Combustible liquid UN 118 (Bulk Only)

#### **SECTION IX – REACTIVITY DATA**

Stable: x Unstable: AT\_degrees C\_degrees F Hazardous Polymerization: Will Not Occur

Conditions to avoid: Ignition sources of any kind

Incompatibility (Materials to Avoid): Strong Oxidizers

Hazardous Decomposition Product: Carbon monoxide, carbon dioxide

#### **SECTION X – PHYSICAL DATA**

Melting Point: -85.1 degrees C Boiling Point 124.5 degrees C Vapor Pressure: 6.2 mm Hg

Volatiles: No Data Solubility in Water: Complete Specific Gravity: 0.9663 PH: No Data

Evaporation Rate: See Below

Vapor Density: (air = 1): 2.62

Odor: Mild Pine Odor