

# MATERIAL SAFETY DATA SHEET

## BIO-AID

### SECTION I – MANUFACTURER’S NAME AND CONTACT INFORMATION

**Manufacturer**

E-ZOIL Products, Inc.  
234 Fillmore Avenue  
Tonawanda, NY 14150

Emergency 1-800-633-8253 PERS  
Information 716-213-0106  
Date prepared September 1, 2011

NFPA Code:    Health 2            Fire 2            Reactivity 0

### SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Components	CAS Number
2 butoxyethanol, ethylene glycol monobutyl ether	111-76-2

### SECTION III – PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling point 340°F	Specific gravity 0.897
Vapor pressure (MM Hg) 0.6/ 68°F	Vapor density (Air –1) 4.1
Solubility in water 90%+	Appearance and odor – light yellow color, mild odor

### SECTION IV – FIRE & EXPLOSION HAZARD DATA

Flash point 162°F (72°C) method used TTC

Extinguisher use water fog, dry chemical, or carbon dioxide

**Caution:** Combustible. Do not enter confined fire space without full bunker gear: helmet with face shield, bunkercoats, gloves and rubber boots. Include a positive pressure NIOSH approved self-contained breathing apparatus.

**Unusual fire or explosion hazards:** Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure building up which could result in container rupture.

### SECTION V – REACTIVITY DATA

**Stability:** Material is stable under normal conditions

**Conditions to Avoid:** Prevent vapor accumulation. Avoid heat and open flames.

**Materials to Avoid:** Avoid contact with strong oxidizing agents.

**Hazardous Decomposition Products:** Thermal decomposition is highly dependent on conditions. A complex mixture of airborne solids, liquids and gases, including carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.

**Reactivity to water:** None

Polymerization will not occur

### SECTION VI – HEALTH HAZARD DATA

**Inhalation:** Irritating to respiratory system. Breathing of high vapor concentrations may cause central nervous system (CNS) depression resulting in dizziness, light-headedness, headache, nausea and loss of coordination. Continued inhalation may result in unconsciousness and death.

**Eye:** May cause temporary discomfort or irritation to the eye.

**Skin:** May be slightly irritating to the skin.

**Ingestion:** May be harmful if swallowed.

**Primary Target Organs:** The following organs and/or organ systems may be damaged by overexposure to this material:

Heart, Auditory System

**First Aid Measures**

**Eye:** Flush with water for 15 minutes. Get medical attention if irritation persists.

**Skin:** Wash with soap and water.

**Inhalation:** If adverse reaction occurs remove to fresh air and treat symptomatically. Get medical attention if required.

**Ingestion:** Do not induce vomiting. Get immediate medical attention. Have victim rinse mouth out with water, then drink sips of water to remove taste from mouth. Do not give liquids to a drowsy, convulsing or unconscious person.

**SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE**

Wear goggles and gloves. Keep area well ventilated. Do not taste or swallow. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

**Handling:** Keep away from heat, sparks and flame. Extinguish pilot lights, cigarettes and turn off other sources of ignition prior to use and until all vapors have dissipated. Use explosion-proof ventilation to prevent vapor accumulation while in use. Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet facilities. Launder contaminated clothing before reuse. Air-dry contaminated clothing in a well-ventilated area before laundering. Static electricity may accumulate and create a fire hazard. Bond and ground handling equipment and transfer containers to prevent sparking.

**SECTION VIII – CONTROL MEASURES**

Eliminate potential sources of ignition. Contain area with use of dikes or absorbents to prevent migration and entry into sewers or streams. Take up small spills with absorbent pads. Large spills may be taken with pump or vacuum.

**SECTION IX – TRANSPORT INFORMATION**

Non-regulated in containers of less than 119 gallons.

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