

# MATERIAL SAFETY DATA SHEET

## BIO-BLAST

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

Manufacturer  
**E-Zoil Products Inc.**  
2355 Bailey Ave.  
Buffalo, NY 14215

Emergency # 1-800-424-9300 Chemtrec  
Information # 716-892-4632  
Date prepared: July 1, 2009

NFPA Code:                    Health 3                    Fire 2                    Reactivity 1

### SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Components	CAS Number	% by Weight	TLV
2-(Thiocyanomethylthio)benzothiazole	21564-17-0	2.5%	Not established
Methylene bis (thiocyanate)	6317-18-6	2.5%	Not established

DOT Shipping Name: UN 2922, Corrosive Liquid, Toxic, NOS (2-(Thiocyanomethylthio) Benzothiazole, Methylene Bis (Thiocyanate)) 8, (6.1), PGIII (Erg Guide 154)

### SECTION III – PHYSICAL & CHEMICAL CHARACTERISTICS

Appearance: Clear amber liquid                    pH: 6-7  
Odor: Slight                    Solubility in water: Dispersible in cold water. Dispersible in hot water.

### SECTION IV – FIRE & EXPLOSION HAZARD DATA

Flash point (method): Closed cup. 70°C (158°F) (Tagliabue)  
Extinguishing media: Water fog, carbon dioxide, foam, dry chemical  
Special fire fighting procedures: Firefighters should wear positive pressure self-contained breathing apparatus

### SECTION V – REACTIVITY DATA

**Stability:** Do not heat and/or store above 50°C as decomposition may increase packaging pressure.  
**Incompatibility:** Strong acids, strong oxidizers, strong bases. Extended heating at high temperatures.  
**Hazardous decomposition products:** Cyanide salts are formed when product contacts strong alkali. Thermal decomposition of product can produce toxic vapors of hydrogen cyanide and sulfur dioxide. Contact with fire may generate oxides or sulfur, nitrogen and carbon.

### SECTION VI – HEALTH HAZARD DATA

Threshold limit value: Not established.  
**EYES:** Contact with eyes may cause irreversible damage.  
**SKIN:** Contact will cause skin irritation. Prolonged exposure will cause skin eruptions. Prolonged absorption may produce runny nose, dizziness, cramps, nausea, vomiting, and mild or severe disturbances of nervous system.  
**INGESTION:** Highly toxic.

### EMERGENCY FIRST AID PROCEDURES:

**EYES:** Flush immediately with water. Get medical attention.  
**SKIN:** Remove contaminated clothing and immediately wash skin with soap and water. If irritation persists, get medical attention. Wash contaminated clothing before reuse.  
**INGESTION:** Do not induce vomiting. Rinse with copious amount of water or milk. In cases where the individual is semi-comatose, comatose or convulsing, do not give fluids by mouth. Get medical attention immediately.  
**INHALTION:** Avoid prolonged exposure to inhalation of vapors. If vapor exposure is suspected, immediately move exposed individual to fresh air. If individual experiences nausea, headache, dizziness, has difficulty in breathing or is cyanotic, seek a health care professional immediately.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiration depression and convulsions may be needed.

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

Specific personal protective equipment:

**EYES:** Chemical goggles, which are, dust and splash-proof or face shield.

**SKIN:** Impervious clothing, rubber gloves and boots.

**RESPIRATORY:** Local exhaust.

**OTHER:** Safety shower/eye wash located in immediate area.

**VENTILATION REQUIREMENTS:** Provide local exhaust.

## **SECTION VIII – CONTROL MEASURES**

### **SPILL OR LEAK PROCEDURES**

**Steps to be taken in event material is released or spilled.** Collect all spilled materials. Do not flush directly to waste treatment facility or water courses.

**Waste disposal method:** material is a pesticide and must be disposed of in a manner approved by the EPA. Resource Conservation and Recovery Act (RCRA).

**Precautions to be taken in handling and storing:** Keep from freezing and temperatures > 140°F store in a cool well ventilated area.

Other precautions: Insure containers are tightly closed, when not in use.

## **SECTION IX – REGULATORY STATUS INFORMATION**

**Toxic Substance Control Act (TSCA):** All components of this product are listed in the Toxic Substance Control Act inventory.

**COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT (CERCLA)** reportable quantity- Not established for this product.

**SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA title 111)-Section 311 Hazardous Categories:**

ACUTE HEALTH:	YES
CHRONIC HEALTH:	NO
FIRE:	NO
SUDDEN RELEASE OF PRESSURE:	NO
REACTIVE:	NO

**SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA title111) Section 311:**  
Components of this product subject to reporting: none

This information and recommendations contained in this Material Safety Data Sheet have been compiled from sources believed to be reliable and to represent the best opinion on the subject as of the date on the sheet. However, no warranty, guarantee or representation, express or implied, is made by E-ZOIL PRODUCTS, INC. as to the correctness or sufficiency of this information or to the results to be obtained from the use thereof.