

# MATERIAL SAFETY DATA SHEET

## BIOKOOL 5170 SP

### 1.0 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**MANUFACTURER/SUPPLIER:**

Chem and Lube  
1901 South 12th Street  
Allentown, PA 18103-4777

**Emergency Spill Information:**

1-800-255-3924 Chem-Tel (USA)

**Other Product Information:**

610-798-9222

### 2.0 COMPOSITION/INFORMATION ON INGREDIENTS

**Component**

**Chemical Name:** Diisopropanolamine  
Triethanolamine  
Grotan

**TLV or PEL**

None Est.  
None Est.  
None Est.

### 3.0 HAZARDOUS INGREDIENTS

**Appearance:** Blue Liquid  
**Specific Gravity:** 1.05  
**Boiling Point:** 212° F (initial, approximate)  
**Volatile:** > 60%  
**Solubility In Water:** Complete  
**pH @ 5%:** 9.3

### 4.0 PHYSICAL DATA

**Flash Point (C.O.C.):** N.A.  
**Flammable Limits:** N.A.  
**Extinguishing Media:** Dried residue may be extinguished with dry chemical, foam or carbon dioxide.  
**Special Fire Fighting Procedures:** N.A.  
**Unusual Fire And Explosion Hazards:** N.A.

### 5.0 HEALTH HAZARD DATA

**Threshold Limit Value:** None Est.  
**Routes of Entry:** Eye, Skin, Inhalation, Ingestion  
**Acute Health Hazards:** Eyes: Irritation                      Inhalation: Irritation  
Skin: Irritation, harmful if absorbed through damaged skin.  
Ingestion: Irritation, nausea, vomiting, diarrhea.

**Carcinogenicity:** Components of this product are not listed as carcinogens by NTP, IARC Monographs or OSHA.

### **6.0 REACTIVITY DATA**

**Stability:** Stable

**Hazardous Polymerization:** Will not occur.

**Incompatibility:** Avoid contact with strong oxidizers. Avoid mixing with nitrites.

**Hazardous Decomposition Products:** Oxides of Carbon, smoke.

### **7.0 SPILL OR LEAK PROCEDURE**

**Spill Procedures:** Contain spill, stop source of leak, pump spilled material into salvage container, soak up remaining material with absorbant such as sand or clay.

**Waste Disposal:** Dispose of in accordance with all applicable federal, state and local regulations.

### **8.0 SPECIAL PROTECTION INFORMATION**

**Eye Protection:** Splash Protection

**Protective Gloves:** Oil Resistant Gloves

**Respiratory Protection:** NIOSH/MSHA approved respirator recommended for organics

**Ventilation:** As necessary to keep vapors below TLV.

**Other Protection:** As necessary to prevent prolonged skin contact.

### **9.0 SPECIAL PRECAUTIONS**

**Handling And Storage:** Store away from direct heat source.

**Other Precautions:** Do not pressurize, cut, weld, drill, grind or heat empty container, as some hazardous residue may be present. Do not add supplemental nitrites.

### **10.0 ADDITIONAL INFORMATION**

#### **HMIS RATING:**

Health: 1

Flammability: 0

Reactivity: 0