



# Material Safety Data Sheet

Monopole, Inc.

**Product Name:** MONOCHEM 610

**Issue Date:** July 2010

Monopole Inc. encourages and expects you to read and understand the entire MSDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

## SECTION 1: Product and Company Identification

**Product Name:** MONOCHEM 610

**Product Code:** 1610

### COMPANY IDENTIFICATION

Monopole, Inc.  
4661 Alger Street  
Los Angeles, CA 90039  
Tel: (818) 500-8585  
Fax: (818) 502-0818

### EMERGENCY TELEPHONE NUMBERS:

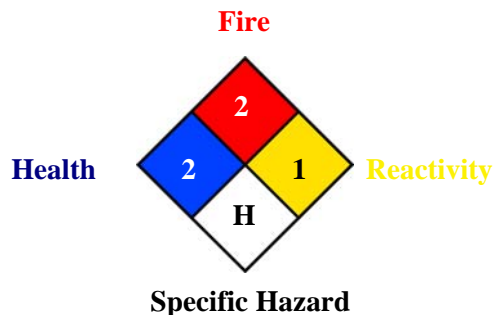
Health emergency ..... : (818) 500 - 8585  
Poison center..... : (818) 356 - 3129  
Chemtrec..... : (800) 424 - 9300

## SECTION 2: Hazard Identification

### EMERGENCY OVERVIEW

**Color:** Milky  
**Physical State:** Liquid  
**Odor:** Aromatic

### NFPA HAZARD RATING SYSTEM



### POTENTIAL HEALTH EFFECTS

**Inhalation:** Inhalation may cause irritation of the nose and throat with sneezing, sore throat, or runny nose. Inhalation of large amounts may cause bronchitis, bronchial spasm and pulmonary edema (fluid in lungs). Symptoms may be modest initially, followed by hours of severe shortness of breath requirement prompt medical attention.

**Skin Contact:** Prolonged or repeated skin contact can cause irritation, swelling blistering, or redness.

**Eye Contact:** Direct eye contact can cause irritation with discomfort, tearing, blurring of vision, pain, swelling and possible damage to the cornea.

### SECTION 3: Hazardous Ingredients

Hazardous Components	CAS#	OSHA (PEL)	ACGIH (TLV)
*AROMATIC NAPHTHA	64742-95-6	25 ppm	25 ppm
*ISOCYANATOMETHYL-3, 5, 5 TRIMETHYL CYCLOHEXYL ISOCYANATE	4098-71-9	.005 ppm	.005 ppm
URETHANE PREPOLYMER	Trade Secret	N/E	N/E
N-BUTYL ACETATE	123-86-4	150 ppm	150 ppm

\*Toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372. Non-Hazardous ingredients are considered a Trade Secret.

### SECTION 4: First Aid Procedures

**Inhalation:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is labored, give oxygen. Consult medical personnel.

**Eyes:** Immediately flush thoroughly with water for 20 minutes. Have eyes examined and treated by medical personnel.

**Skin:** Wash skin with plenty of soap and water. If redness or burning develops, consult medical personnel.

**Ingestion:** Do not induce vomiting. Give 1 or 2 glasses of water to drink. . Consult medical personnel immediately. Do not give anything by mouth to an unconscious person.

### SECTION 5: Physical Properties

**Boiling Point**.....: 225-250°F  
**Solubility in Water** .....: React with water  
**Evaporation Rate**.....: Slower than ether.  
**Freezing Point** .....: 32°F  
**VOC** .....: < 100 g/L  
**Specific Gravity**.....: 1.28  
**Appearance and Odor**..: Viscous liquid, aromatic

### SECTION 6: Fire Fighting Measures

**FLASH POINT:** >76°C (170°F)

**METHOD USED:** TCC

**FLAMMABLE LIMITS IN AIR BY VOLUME:** Lower: 1.0% Upper: 7.0%

**EXTINGUISHING MEDIA:** Dry chemical, foam, carbon dioxide, or large amounts of water. The reaction between water and hot isocyanate may be strong.

**FIRE FIGHTING INSTRUCTIONS:** Wear NOISH approved self-contained breather apparatus in positive pressure mode with full-face piece. Boots, gloves and full protective equipment are required. Excessive pressure or temperate may cause explosive rupture of containers.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Water contamination will produce carbon dioxide. Contaminated containers as pressure buildup may rupture them. Combustible.

## **SECTION 7: Accidental Release Measures**

**INITIAL CONTAINMENT:** Dike spill. Prevent material from entering sewers, waterways, or low areas

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Wear skin, eye, and respiratory protection during cleanup. Soak up material with absorbent earth and shovel into a chemical waste container. Cover container, but do not seal, and remove from work area. For major spills, call CHEMTREC (Chemical Transportation Emergency Center) at 800-424-9300.

**PERSONAL PRECAUTIONS DURING CLEAN-UP:** Review Fire Fighting Measures and Handling (Personnel) sections before proceeding with clean-up. Use appropriate Personal Protective Equipment during clean-up.

## **SECTION 8: Handling and Storage**

### **HANDELING**

Avoid breathing vapors or mist. Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling. Wash clothing after use. Do not store or consume food, drink, or tobacco in areas where they may become contaminated with this material. Avoid circumstances that product respirable particles unless suitable ventilation and respirator are used.

### **STORAGE**

Store temperatures: 45°F - 100°F

Keep from freezing – product stability may be affect. Stir well before use. Keep container tightly closed.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Keep in cool, dry, ventilated storage area, in closed containers and out of direct sunlight. Keep containers closed when not in use. Store in temperatures below 100°F.

## **SECTION 9: Exposure Controls and Personal Protection**

### **ENGINEERING CONTROLS**

Use only with adequate ventilation. Use local exhaust ventilation to keep airborne concentrations below the TLV. Follow guidleins in ghe ACGIH publication “Industrial Ventilation.”

### **PERSONAL PROTECTION**

Prevent skin and eye contact, observe TLV limitations. Avoid breathing vapors. Workers should shower and change to fresh clothing after each shift.

**Eye/Face Protection:** Wear safety glasses with side-shields. Eye protection worn must be compatibale with respiratory protection system employed.

**Hand Protection:** The glove(s) listed below may provide protection against permeation. (Gloves of other chemically resistant materials may not provide adequate protection): Neoprene gloves.

**Respirator Protection:** Where there is potential for airborne exposure, wear appropriate NIOSH approved respiratory protection.

**Protective Measures:** Facilities storing or utilizing this material should be equipped with an eyewash facility.

**Protective Clothing:** Where there is potential for skin contact have available and wear as appropriate impervious gloves, apron, pants, and jacket.

## **SECTION 10: Stability and Reactivity**

**Stability:** Stable under normal conditions.

**Incompatibility:** Water, alcohols, amines, ammonia and acids.

**Hazardous Decomposition Products:** By fire: CO<sub>2</sub>, carbon monoxide, oxides of nitrogen, hydrogen cyanide during combustion.

**Conditions to Avoid:** Heat, high temperature, open flame, sparks and moisture.

## **SECTION 11: Health Hazards**

**Acute:** Exposure may cause respiratory tract irritation, tightness of chest, headache, shortness of breath, and a dry cough.

**Chronic:** Repeated exposure above current limits may cause sensitization of the respiratory tract characterized by an asthma-like response. Symptoms may include coughing, shortness of breath and chest tightness.

**Symptoms of Exposure:** May cause irritation and burns to eyes and skin.

**Medical Conditions Generally Aggravated by Exposure:** Inhalation of vapor or mist can cause headache, nausea, may irritate the throat or lungs. Pre-existing kidney, liver, and blood disorder may be aggravated. Intentional inhaling and misuse may be harmful or fatal.

**Carcinogenicity-NTP:** Yes

**IARC Monographs:** Yes

**OSHA Regulated:** No

## **SECTION 12: Disposal Considerations**

**Environmental Precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Waste Disposal Method:** Wear skin, eye, and respiratory protection during cleanup. Soak up material with absorbent earth and shovel into a chemical waste container. Cover container, but do not seal, and remove from work area. For major spills, call CHEMTREC (Chemical Transportation Emergency Center) at 800-424-9300. Dispose of in accordance with Local, State, and Federal Regulations. Regulations may vary in different locations. **DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER.**

MONOPOLE, INC. HAS NO CONTROL OVER THE MANAGEMENT PRACTICES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS

ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN  
MSDS SECTION 3: HAZARDOUS INGREDIENTS.

### **SECTION 13: Regulatory Information**

**DOT PROPER SHIPPING NAME:** Not regulated.

**IATA PROPER SHIPPING NAME:** UN1263, Paint, Class 3, PG III, Flammable Liquid

**IMO PROPER SHIPPING NAME:** UN1263, Paint, Class 3, PG III, Flammable Liquid

#### **STATE REGULATIONS: CALIFORNIA**

##### **CALIFORNIA PROPOSITION 65 (Safe Drinking Water and Toxic Enforcement Act of 1986):**

There are chemicals present known to the state of California to cause cancer or reproductive toxicity.

#### **US FEDERAL REGULATIONS**

**TOXIC SUBSTANCE CONTROL ACT:** All chemicals comprising this product are listed on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

To the best of our knowledge, the information contained herein is accurate, but no representation, guarantee or warranty, expressed or implied, is made as to the accuracy, reliability or completeness of the information. Monopole Inc. urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.