

## 1. CHEMICAL PRODUCT INFORMATION

Product Name: **Epoxy Resin**

General or Generic: Epoxide Liquid

Hazardous Classification: Not Applicable - This product is not regulated by Department of Transportation.

## 2. HAZARDOUS INGREDIENTS

Ingredient	CAS #	Percent	Occupational Exposure Limits		Vapor Pressure MMHG
			TLV	LEL	
Bisphenol A Diglycidyl Ether Resin	25068-38-6	N/A	N/A	N/A	

## 3. PHYSICAL DATA

Boiling Range: 200°F

Vapor Density: Heavier than air

Evaporation Rate: Slower than ether

% Volatile by Volume : Nil

Specific Gravity: (H2O=1) 1.17

## 4. FIRE AND EXPLOSION HAZARD DATA

Flash Point: (TCC) 490°F

### Extinguishing Media

Dry Chemical

Alcohol

CO2

Water Fog

N/A = Not applicable

## 5. HEALTH HAZARD DATA

Primary Route of Entry: Dermal

### Effects of Overexposure and First Aid Procedure

**Eye Contact:** If this product comes in contact with the eyes, flush with large quantities of water, lifting upper and lower lids occasionally and seek medical attention.

**Skin Contact:** Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis. If this product comes in contact with the skin, clean exposed area with soap and water, remove contaminated clothing and launder before reuse.

**Inhalation:** Excessive inhalation of vapors can cause nasal and respiratory irritation. Central Nervous System effects including dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and even asphyxiation. If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped give artificial respiration. Keep warm, quiet and seek medical attention.

**Note:** Reports have associated repeated and prolonged over-exposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

## 6. REACTIVITY DATA

**Stability:** Stable

**Hazardous Polymerization:** May not occur

**Hazardous Decomposition Products:** May yield carbon dioxide, carbon monoxide and/or organic acid vapors.

**Conditions to Avoid:** Heat, open flames, electrical and static discharges.

**Incompatibility (Materials to Avoid):** Strong acids, alkalis and oxidizers.

## 7. Spill or Leak Procedures

**Steps to be taken in case material is released or spilled:**

- ◆ Ventilate area
- ◆ Remove all possible sources of ignition
- ◆ Avoid prolonged breathing of vapors
- ◆ Stop spill at source
- ◆ Dike area of spill to prevent spreading
- ◆ Pump liquid to salvage tank
- ◆ Remaining liquid may be taken up on sand, clay, earth, floor absorbent or other absorbent material and shoveled into containers

**Waste Disposal Method:** Dispose of in an approved chemical dumpsite in accordance with local, state and federal regulations by approved contractors.

## 8. SAFE HANDLING AND USE INFORMATION

**Respiratory Protection:** Use NIOSH/MSHA approved respirator to remove a combination of particles, gas and vapor. Use air line if necessary.

**Ventilation:** Use adequate ventilation in volume and pattern to keep LEL and TLV's in section 2 below recommended level to produce explosion or fire. General mechanical ventilation should comply with OSHA 1910.94.

**Protective Gloves:** Use rubber gloves

**Eye Protection:** Safety glasses or goggles with splash guards or side shields.

**Protective Equipment:** Prevent prolonged skin contact to contaminated clothing.

## 9. SPECIAL PRECAUTIONS

**Precautions to be taken in handling and storing:** Containers of this material may be hazardous when empty. Since empty containers retain product residues (vapor, liquid and or solids) all hazard precautions given in this data sheet must be observed.

**Other Precautions:** "For commercial use only" Do not take internally. If ingested consult a physician. Do not flame cut, weld or braze on coated metal without a NIOSH/MSHA approved respirator.

The information contained herein is based on technical data which we believe to be reliable, however, since the conditions under which this information may be applied are beyond our control, we can assume no liability for results of its application. The information should be used only by persons having sufficient technical skill to make informed judgments regarding its application.

## 10. SECTION 313 TOXIC CHEMICALS

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

Chemical	CAS Number	Weight %
None		