



## 150 - Epoxy Thinners

### IDENTIFICATION SECTION:

**CHEMICAL NAME:** blend of Xylene and Butyl Glysolve

**CAS NUMBER:** 64742

U.N.No: 1294

PACKAGING GROUP: II

HAZCHEM CODE: 3(Y)E

DANGEROUS GOODS CLASS: 3.1

POISONS SCHEDULE: 6

SUBSIDIARY RISK: N/app.

MOLECULAR WEIGHT: 92.134 AMU

### PHYSICAL DATA

APPEARANCE & ODOUR:

Water white. Distinctive odor.

BOILING POINT:

110-111deg.C

MELTING POINT:

N/app.

VAPOUR PRESSURE:

16.6 mmHg@ 15deg.C

PERCENT VOLATILES:

100%

FLASH POINT

6deg.C

FLAMMABILITY LIMITS:-

LEL: 1.3%v/v

UEL: 7.0%v/v

AUTOIGNITION:

550deg.C

EVAPORATION RATE (N-Butyl Acetate = 100): 75

SOLUBILITY (WATER):

Negligible

AROMATICS:

60%

### HEALTH HAZARD INFORMATION

#### HEALTH EFFECTS:

**SWALLOWED:** Moderately toxic. Tends to break up into a foam if the patient vomits. Upon aspiration into the lungs, chemical pneumonitis may develop.

**SKIN:** Mildly irritating to skin. Frequent and prolonged contact can cause dermatitis.



**INHALATION:** Toxic by inhalation. Irritating to respiratory system. Prolonged exposure may cause somnolence and narcosis.

**FIRST AID:**

**SWALLOWED:** If swallowed, DO NOT induce vomiting. Give a glass of water. Seek medical advice.

**EYE:** Hold eyes open, flood with water for at least 15 minutes. Seek medical advice.

**SKIN:** Remove contaminated clothing and wash skin thoroughly.

**INHALATION:** Remove affected person from contaminated area. Avoid becoming a casualty. Apply artificial respiration, if not breathing. Urgently seek medical advice.

**HEALTH HAZARD INFORMATION**

**ADVICE TO DOCTOR:**

**ORAL:** Gastrointestinal irritation, nausea, vomiting and cramping. CNS depression, ranging from mild headache to anesthesia and coma. Liver and Kidney injury delayed. Effects may include anuria, dysuria, hematuria and laboratory evidence of kidney damage; hepatic tenderness, jaundice, liver enlargement and other evidence of liver damage.

**ASPIRATION:** Severe lung irritation with coughing, gagging, dyspnea, sub sternal distress and rapidly developing pulmonary edema. Later signs of bronchopneumonia and pneumonitis.

**TREATMENT:** (ORAL) Lavage with cuffed tube if large quantity ingested. Give activated charcoal. Observe for several days for renal or hepatic injury. Aspiration is main danger. Enforce bed rest and observe carefully. Prophylactic antibiotics useful. Observe for 24 hours for chemical pneumonitis. Longer term medical surveillance may be necessary. Maintain airway and vital functions. Avoid sympathomimetic amines. (INHALATION) Administer oxygen with slight positive pressure and antifoaming agent.

**PRECAUTIONS FOR USE**

**EXPOSURE STANDARDS:**

OCCUPATIONAL EXPOSURE LIMIT VALUE: Threshold Limit Value (TLV)>ACGIH.  
Toluene

-TWA 100ppm 375mg/m/3

-STEL ppm 560mg/m/3



## ENGINEERING CONTROLS: -

Local exhaust ventilation usually required. Provide explosion proof ventilation system. Maintain adequate ventilation. Maintain air levels below the Exposure Limit. Performance of ventilation system should be regularly monitored. If air contaminant levels exceed the Exposure Limit, respiratory protection required. See also Personal Protection.

## PERSONAL PROTECTION: -

Avoid contact with the skin and eyes and avoid breathing the vapor or spray mists.

For normal use, where contaminant vapor levels are well below the Exposure Limit the following equipment is required; -

1. Eye protection - safety glasses. Goggles ready for use.
2. Gloves
3. Cotton overalls done up.
4. Leather boots with rubber soles.

## PRECAUTIONS FOR USE

Where high contaminant spray mist or vapor levels exist, i.e. approaching the Exposure Limit, or are expected to arise, the following additional equipment is required.

1. For short elevated exposures, e.g. spillage's; -

Appropriate organic vapor cartridge respirator e.g. 3M Brand 08712 and goggles. Ensure working life of cartridge is not exceeded.

NB: If vapor levels exceed the Exposure Limit by more than ten times, air Supplied apparatus should be used.

2. For prolonged exposure and confined spaces. Full face air supplied or self

Contained breathing apparatus (complying with AS 1716-1984 "Respiratory Protective Devices").

If contamination occurs, change clothing. Launder contaminated clothing before reuse. Clothing should be air dried in a well-ventilated area before laundering.



Observe good personal hygiene - wash hands thoroughly with soap or hand cleanser before eating, drinking or smoking and before using the toilet.

Eye wash fountains and safety showers should be available for emergency use.

Clothing wet with solvent should be soaked with water before removing, to prevent the possibility of static electricity discharges.

## **FLAMMABILITY**

Highly flammable. Isolate for sources of heat, naked flames or sparks. Take precautions against static electricity discharges. Explosive air-vapor mixture may form, ensure adequate ventilation. Earth and bond all process equipment including tanks and drums. Ensure equipment and fittings are flame proofed. See Safe Handling Information-Fire/Explosion Hazard.

## **SAFE HANDLING INFORMATION**

### **STORAGE AND TRANSPORT:**

Store in a cool place. Store container in a well-ventilated place. Store away from heat, naked flames or sparks. Store away from strong oxidizing agents. Keep containers closed at all times. Keep away from food, foodstuffs, drink or clothing. Take precautions against static electricity discharges.

Classified as a dangerous substance for transport purposes. Flammable liquid, Class 3. Apply correct labels if material to be transported.

### **SPILL AND DISPOSAL:**

Extinguish or remove all sources of ignition. Clear area of all unprotected personnel. Wear appropriate protection equipment. Refer to Ventilation and Personal Protection. Do not contaminate stream, rivers or watercourses. Do not flush to drains or sewers. Inform local authority if liquid enters drains, sewers, etc. Shut off source of leak if safe to do so. Dike and contain spill with sand or earth. Allow to evaporate if conditions permit.

### **MINOR:**

Absorb the liquid and sand, earth or other absorbent. Place used absorbent in suitable, sealable, labeled containers. Keep away from heat, naked flame or sparks.

Dispose of following requirements of state environment authority.

### **FIRE/EXPLOSION HAZARDS:**



Explosive air-vapor mixture may form. Earth and bond all transfer equipment including tanks and drums. Keep away from heat, naked flames or sparks. Have adequate fire equipment available.

Evacuate immediate area. Advise Fire Brigade of nature of hazard. Wear full protection equipment including breathing apparatus. Cool surrounding containers and pipes with water.

Carbon monoxide and other unidentified compounds may be formed during combustion.

**EXTINGUISHING MEDIA:** Foam, BCF, carbon dioxide or dry chemical extinguishers required. For large fires use foam.

**EMERGENCY 24 hours:**

POISONS INFORMATION CENTRE

Herston Rd, Herston

131126 (All Hours)

**DATE OF ISSUE:** - 19-02-16

**DISCLAIMER:** It is believed that the information given in this Safety Data Sheet is correct at the date of issue. It is offered in good faith, but without guarantee and without acceptance of responsibility for its accuracy.

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**IMPORTANT NOTICE:**

Read the MSDS and TDS carefully prior to use as application or performance data may change from time to time. In emergency, contact the Poisons Information Centre (phone 13 11 26 within Australia) or a doctor for advice.

**PRODUCT DISCLAIMER:**

This Technical Data Sheet (TDS) summarises to the best of our knowledge the product, including how to use and apply the product based on the information available at the time.

You should read this TDS carefully and consider the information in the context of how you will apply the product, including if it is being used in conjunction with any other products, the type of surfaces and the manner in which the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. All Purpose Coatings does not accept any liability either directly or indirectly for any losses suffered that arises from the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.