

# MATERIAL SAFETY DATA SHEET

**PRODUCT NAME: DE400 Epoxy Series Part A**

Hazardous according to criteria of Worksafe Australia **Description:** Paint (Pigmented



Bisphenol epoxy resin and Xylene)

**Manufacturer's Code:** F286 Hazchem **U.N. Number:** 1263  
**Code:** 3[Y] **Poisons Schedule:** 5 **Dangerous Goods Class 3**  
**Risk:** Flammable

**USE:** In conjunction with epoxy

hardeners for protection of concrete

## PHYSICAL DESCRIPTION/PROPERTIES:

**Appearance:** Coloured  
**Specific Gravity:** 1.70 **Flash Point:** 24 Deg C **PMCC**  
**Odour:** Xylene

**Percent Volatile:** 10%  
**Flammability Limits:** N/A  
**Auto Ignition:** Not Determined  
**Boiling Point:** Not Determined

## HAZARDOUS INGREDIENTS:

Chemical Entity	C.A.S. No.	Haz	R-phrases	Concentration
Bisphenol A epoxy resin	025085-99-8	Xi	R36/38-R43	30% - 45% >
Inert filler	014808-60-7	Xn	R48/20	30% 5% - 10%
Xylene	001330-20-7	F	R10-20/21-38	to 100%
Non-hazardous ingredients or those below cut off limits				

## HEALTH HAZARD INFORMATION

### HEALTH EFFECTS:

#### **Short Term Hazards (Acute Exposure):**

**Inhaled:** May cause irritation to the nose, throat and respiratory system with effects including: Dizziness, headache and loss of co-ordination.

**Skin Contact:** A single prolonged exposure is not likely to result in the material being absorbed through the skin in harmful amounts.

**Eye Contact:** May cause slight transient (temporary) eye irritation. Corneal injury is unlikely.

**Swallowed:** May cause irritation to mouth, throat and stomach with effects including irritation to the tongue and lips and pains in the stomach.

**Eye Contact:** Corneal injury.

**Systematic and other effects:** Diglycidyl ether of Bisphenol A (Base epoxy resin) that is representative of the current manufacturing process is not believed to be a cancer hazard to humans. Did not cause birth defects or other adverse effects on the foetus when pregnant rabbits were exposed by skin contact, the most likely route of exposure. Results of mutagenicity tests in animals have been negative. Has been shown to be negative in some "in vitro" (test tube) mutagenicity tests and positive in others.

**FIRST AID:**

**Inhaled:** If effects occur, remove to fresh air. Seek Medical attention.

**Skin Contact:** Wash skin thoroughly with soap and flowing water for 15 minutes. **DO NOT** use solvents to remove product from skin. It is recommended to remove contaminated clothing immediately. Wash clothing thoroughly before re-use. Discard contaminated footwear.

**Eye Contact:** Hold eyes open and wash thoroughly with flowing water for 15 minutes. Seek prompt medical attention by a doctor.

**Swallowed:** Do **NOT** induce vomiting. Give glass of water. Call a doctor and/or transport to a hospital promptly.

**ADVISE TO DOCTOR:**

No specific antidote. Supportive care. Treatment based on the judgement of the doctor in response to the reactions of the patient. Treat symptomatically.

**PRECAUTIONS FOR USE**

<b><u>EXPOSURE LIMITS:</u></b> Xylene	TWA 80 ppm	350 mg.m <sup>3</sup>
	STEL 150 ppm	655 mg.m <sup>3</sup>
Silica	0.3 mg / m <sup>3</sup>	

**VENTILATION:** Provide general and / or local exhaust Ventilation, depending on type of operations, to control airborne exposures.

**PROTECTION:**

**Respiratory:** Not required for normal operations. For emergency conditions, use an approved positive pressure self-contained breathing apparatus.

**Hands:** Wear body-covering clothing. Protect hands with impervious gloves when handling or using this product. Wear boots.

**Eyes:** Wear chemical goggles. Eye wash facilities should be located in the immediate work area. Selection and the use of personal protective equipment should be in accordance with the recommendations in one or more of the relevant Australian Standards, including:

AS 1336:	Recommended practices for eye protection in the industrial environment.
AS/NZS 1337:	Eye protectors for industrial application.
AS/NZS 1715:	Selection, use and maintenance of respiratory protective devices.
AS 2161:	Industrial safety gloves and mittens (excluding electrical and medical gloves).
AS/NZS 2210:	Occupational protective footwear.
AS 2919:	Industrial clothing.

**FLAMMABILITY:**

Flammable liquid. Will support combustion.

## SAFE HANDLING INFORMATION

### REGULATORY INFORMATION

**RISK PHRASES:**

R10	Flammable
R20/21	Harmful by inhalation and in skin contact
R36/37/38	Irritating to eyes, respiratory system and skin
R43	May cause sensitisation by skin contact
R48/20	Dangerous of serious damage to health through prolonged inhalation of sanding dust

**SAFETY PHRASES:**

S16	Keep away from sources of ignition - No smoking
S24/25	Avoid contact with skin and eyes
S23	Do not breath dust when sanding
S29	Do not empty into drains.
S36/37/39	Wear suitable protective clothing, gloves and eye face protection.
S38	If insufficient ventilation use suitable respiratory equipment.

### STORAGE

Store in cool place away from heat and ignition sources. Keep partially used product containers closed. Store away from foodstuffs, clothing and keep out of reach of children. Store away from amines.

### TRANSPORT INFORMATION

Dangerous Goods Class	2
Shipping Name	PAINT OR PAINT RELATED MATERIAL
UN.Number	1263 (Contains Liquid Epoxy Resins and Xylene)
Packing Group	III
Emergency Procedure Guide	3C1

### SPILLS AND DISPOSAL

Soak up in an absorbent material, such as sand, sawdust or an absorbent clay. Place in secure container for disposal. Burn in an adequate incinerator or bury in an approved landfill in accordance with State and/or Local government regulations.

### FIRE/EXPLOSION HAZARD

Extinguish with foam, water, dry chemical or carbon dioxide. Drums may rupture when exposed to fire conditions. Wear positive pressure self-contained breathing apparatus. Decomposition products include phenolics, carbon monoxide and water.

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### **IMPORTANT NOTE:**

Data quoted is typical for the product, but does not constitute a specification, and is based on the most accurate information available to Danlaid at the time of writing. All information contained herein is given in good faith, but is subject to change without notice.