

# MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Danlaid DE 500 Part B Fast

Hazardous according to criteria of Worksafe Australia

**Description:** Formulated polyamine adduct.

**Manufacturer's Code:** F410  
**Hazchem Code:** 2X  
**Poisons Schedule:** 5

**U.N. Number:** 1760  
**Dangerous Goods Class:** 8  
**Subsidiary Risk:** None



**USE:** CURING AGENT FOR EPOXY RESINS

## PHYSICAL DESCRIPTION/PROPERTIES:

**Appearance:** Clear liquid  
**Specific Gravity:** 0.95 - 1.00  
**Flash Point:** 112 Deg C PMCC  
**Odour:** Slightly ammoniacal

**Percent Volatile:** < 1%  
**Flammability Limits:** Not.Det  
**Auto Ignition:** Not Determined  
**Boiling Point:** Not Determined

## HAZARDOUS INGREDIENTS:

Chemical Entity	C.A.S. No.	Haz	R-phrases	Concentration
Amine Adduct	002855-13-2	C	R21/22-R34-R43	15% - 30%
Amine Adduct	000140-31-8	C	R34-R37-R41-R42	15% - 30%
M-Xylene diamine	001477-55-0	C	R20/22-R34	15% - 30%
Alkylphenols N.O.S	084852-15-3	C	R22-R36/38	30% - 50%

## HEALTH HAZARD INFORMATION

### HEALTH EFFECTS:

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

**Inhaled:** Not expected to be an inhalation hazard by this route, due to the low vapour pressures of the components at ambient temperatures.

**Skin Contact:** May cause severe irritation and possibly burns.

**Eye Contact:** Based on data available for the components of this product, eye contact may result in severe eye irritation and corneal injury, which may be permanent.

**Swallowed:** Single dose oral toxicity has not been determined for this formulation. Single dose oral toxicity is expected to be low, based on information available for each item.

**Inhaled:** Prolonged exposure to high concentrations of vapour may affect the central nervous system.

**Skin Contact:** Product will cause severe irritation and burns.

Product may be a skin sensitiser in some individuals.

**Eye Contact:** Corneal injury.

**Swallowed:** Product may cause severe irritation and burns to the digestive tract.

**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. Obtain medical attention promptly.

**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:**

Main ingredient of this formulation is corrosive to tissue. If product in eyes, check for corneal injury.

The decision of whether to induce vomiting should be made by the attending physician. If burn present, suggest treatment as a thermal burn after decontamination. Human effects not established for this product. No specific antidote. Treatment based on the sound judgement of the physician and the individual reactions of the patient.

**PRECAUTIONS FOR USE**

**EXPOSURE LIMITS:** Not established for product or individual components.

**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:**

Non-Flammable liquid. Will support combustion.

**SAFE HANDLING INFORMATION****REGULATORY INFORMATION**

**RISK PHRASES:** R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.  
R34 Causes burns  
R43 May cause sensitisation by skin contact

**SAFETY PHRASES:** S24/25 Avoid contact with skin and eyes.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36/37/39 Wear suitable protective clothing, gloves and eye face protection.  
S38 In case of insufficient ventilation, wear suitable respiratory equipment.  
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

**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.

**TRANSPORT INFORMATION**

Shipping Name: CORROSIVE LIQUID, N.O.S.  
UN.Number 1760  
Dangerous Goods Class 8  
HazChem 2X  
Packing Group III  
EPG 8A1

**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. Ammonia is a product of decomposition. Wear positive pressure self-contained breathing apparatus. The amine type component of this product will decompose at temperatures above 260 Deg C and generate ammonia.

**CONTACT:**

Date of issue: April 30, 2005

**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 at the time of writing. All information contained herein is given in good faith, but is subject to change without notice.