

**Ident-No: ARALDITE KIT K 330 PART B****Hazardous according to the criteria of NOHSC.**

Version 1

Print Date 05.08.2003

Revision Date 04.07.2003

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING****Product information**

Trade name : ARALDITE KIT K 330 PART B  
 Use : Curing agent for epoxy resins

Company : Vantico Pty Ltd  
 235 Settlement Road  
 Thomastown 3074

Telephone : +61392802300  
 Telefax : +61392802329  
 Emergency telephone : Australia: 1800 033 111 New Zealand: 0800 734 607 Asia-  
 number Pacific: +61 3 9663 2130

**2. COMPOSITION/INFORMATION ON INGREDIENTS****Chemical nature**

Formulated polyaminoamide

**Hazardous components**

Chemical Name	CAS-No.	Symbol(s):	R-pharse(s)	Concentration [%]
tetraethylenepentamine	112-57-2	C, N	R21/22 R34 R43 R51/53	< 10.00
diethylenetriamine	111-40-0	C	R21/22 R34 R43	< 10.00

Also contains other ingredients not hazardous to the criteria of NOHSC.

**3. HAZARDS IDENTIFICATION**

Irritating to eyes and skin.  
 May cause sensitization by skin contact.

Poison schedule: 5

**4. FIRST AID MEASURES**

Inhalation : Move to fresh air.  
 Call a physician immediately.

Eye contact : Rinse immediately with plenty of water for at least 15 minutes.  
 If eye irritation persists, consult a specialist.

Skin contact : Wash off with soap and plenty of water.  
 If skin irritation persists, call a physician.

Ingestion : Immediately give plenty of water (if possible charcoal slurry).  
 Do not induce vomiting.  
 Obtain medical attention.

**Notes to physician**

**Ident-No: ARALDITE KIT K 330 PART B****Hazardous according to the criteria of NOHSC.**

Version 1

Print Date 05.08.2003

Revision Date 04.07.2003

Treatment : First aid facility: Eye wash station . Showering facility.  
No specific antidote. Treat symptomatically.  
Poisons Information Centres in each State capital city can provide advice for scheduled poisons.

**5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media : Water spray.  
Carbon dioxide (CO2).  
Foam.  
Dry powder.

Extinguishing media which must not be used for safety reasons : High volume water jet.

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus and protective suit.

Further information : Burning produces obnoxious and toxic fumes.  
Carbon oxides.  
Nitrogen oxides.

**6. ACCIDENTAL RELEASE MEASURES**

Personal precautions : Avoid breathing dust.  
Avoid contact with skin, eyes and clothing.  
Ensure adequate ventilation.

Environmental precautions : Do not allow material to contaminate ground water system.  
Prevent product from entering drains.

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Sweep up and shovel into suitable containers for disposal.

**7. HANDLING AND STORAGE****Handling**

Advice on safe handling : Provide sufficient air exchange and/or exhaust in work rooms.  
Ensure adequate ventilation.  
Handle and open container with care.

**Storage**

Further information on storage conditions : Keep away from food, drink and animal feeding stuffs.  
Keep container tightly closed.  
Keep at temperatures between 10 and 30°C.

**Ident-No: ARALDITE KIT K 330 PART B****Hazardous according to the criteria of NOHSC.**

Version 1

Print Date 05.08.2003

Revision Date 04.07.2003

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Components with workplace control parameters**

Components	CAS-No.	Control parameters	Update	Basis
diethylenetriamine	111-40-0	1 ppm 4.2 mg/m <sup>3</sup>		TLV (AUS)

**Engineering measures**

Ensure adequate ventilation, especially in confined areas.

Wherever possible, the workplace must be ventilated sufficiently to ensure that exposure standards are met. Ensure airflow, where this product is being used, is directed away from the operators.

If cured material made from this product is to be cut or sanded, ensure that dust is kept below the Worksafe Exposure Standard for inspirable dusts (10mg/m<sup>3</sup>) or the ACGIH Exposure Standard for respirable dusts (3mg/m<sup>3</sup>).

**Personal protective equipment**

Eye protection : Tightly fitting safety goggles.  
Face-shield.

Hand protection : rubber or plastic gloves

Skin and body protection : Safety shoes.  
long sleeved clothing

Hygiene measures : Keep away from food, drink and animal feeding stuffs.  
Wash hands before breaks and immediately after handling the product.

Protective measures : Avoid contact with skin and eyes by wearing long impervious gloves, (Rubber, Neoprene, PVC complying to AS 2161) and industrial safety glasses. Respiratory protection complying with AS 1715, 1716 should be worn if ventilation at the workplace is inadequate. Apply barrier creams to exposed skin areas.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form	: paste
Colour	: black
Odour	: ammoniacal
pH	: at (20 °C) no data available
Boiling point	: > 200 °C
Thermal decomposition	: > 200 °C
Flash point	: 100 °C

**Ident-No: ARALDITE KIT K 330 PART B****Hazardous according to the criteria of NOHSC.**

Version 1

Print Date 05.08.2003

Revision Date 04.07.2003

Method: DIN 51758 (Pensky-Martens Closed Cup)

Vapour pressure : at 20 °C  
Note: no data available

Density : 1.40 - 1.45 g/cm<sup>3</sup>  
at 25 °C

Water solubility : at 20 °C  
Note: soluble

Miscibility with water : miscible

**10. STABILITY AND REACTIVITY**

Conditions to avoid : Note: Take necessary action to avoid static electricity discharge.

Materials to avoid : Strong acids and strong bases.  
Strong oxidizing agents.

Hazardous decomposition products : Carbon oxides.  
  
Nitrogen oxides. Burning produces obnoxious and toxic fumes.

Product will not decompose explosively.

Hazardous reactions : Product as received will not present a dust explosion hazard. If cured material made using this product is to be machined, or sanded, a dust explosion hazard may be created. All dust generated should be removed as quickly as possible, preferably by the use of a vacuum cleaner.

**11. TOXICOLOGICAL INFORMATION**

Acute oral toxicity : LD50 rat  
Dose: > 3,000 mg/kg  
Remarks: No adverse health effects expected, however large amounts may cause nausea and vomiting.

Acute inhalation toxicity : Remarks: Where product is used in poorly ventilated areas, and/or in confined spaces and/or at elevated temperatures, vapours may be irritating to the respiratory system.

Eye irritation : irritating  
rabbit

Skin irritation : irritating  
rabbit  
dermal

Sensitization : Causes sensitization.  
guinea pig

**Ident-No: ARALDITE KIT K 330 PART B****Hazardous according to the criteria of NOHSC.**

Version 1

Print Date 05.08.2003

Revision Date 04.07.2003

dermal

Further information : Chronic exposure: Product is a skin sensitiser. Repeated or prolonged skin contact may result in allergic contact dermatitis.

**12. ECOLOGICAL INFORMATION****Ecotoxicity effects****Further information on ecology**

Additional ecological information : Avoid subsoil penetration.  
Prevent product from entering drains.  
Do not contaminate surface water.

Avoid subsoil penetration.  
Prevent product from entering drains.  
Do not contaminate surface water.

**13. DISPOSAL CONSIDERATIONS**

Product : Spilt / waste material should be disposed of by incineration by an approved agent according to local regulations.

Container : Empty containers should either be sent to an approved agent for cleaning and recycling or incineration according to local regulations.

**14. TRANSPORT INFORMATION****Land transport**

Road/ADR:

Regulation: Not dangerous goods

Rail/RID:

Regulation: Not dangerous goods

**Sea transport**

IMDG:

Regulation: Not dangerous goods

**Air transport**

IATA-DGR:

**Ident-No: ARALDITE KIT K 330 PART B****Hazardous according to the criteria of NOHSC.**

Version 1

Print Date 05.08.2003

Revision Date 04.07.2003

Regulation: Not dangerous goods

**15. REGULATORY INFORMATION****Labelling according to EEC Directive**

Labelling required

Symbol(s):	: Xi	Irritant
R-phrase(s)	: R36/38 R43	Irritating to eyes and skin. May cause sensitization by skin contact.
S-phrase(s)	: S2 S26  S28  S37/39  S46	Keep out of reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of soap and water. Wear suitable gloves and eye/face protection. If swallowed, seek medical advice immediately and show this container or label.
Hazardous components which must be listed on the label	: tetraethylenepentamine  diethylenetriamine	

**National legislation****Notification status**

: AICS yes

**16. OTHER INFORMATION**

All information is based on results gained from experience and tests and is believed to be accurate but is given without acceptance of liability for loss or damage attributable to reliance thereon as conditions of use lie outside our control. Users should always carry out sufficient tests to establish the suitability of any products for their intended applications. No statements shall be incorporated in any contract unless expressly agreed in writing nor construed as recommending the use of any product in conflict of any patent. All goods are supplied subject to Vantico's General Conditions of Sale.

**CONTACT POINT:**  
EH&S MANAGER

**Ident-No: ARALDITE KIT K 330 PART B**

**Hazardous according to the criteria of NOHSC.**

Version 1

Print Date 05.08.2003

Revision Date 04.07.2003

TELEPHONE: (03) 9280 2325 or (03) 9280 2300 (switch)  
FACSIMILE: (03) 9280 2329