

**Ident-No: ARALDITE KIT K330 PART A****Hazardous according to the criteria of NOHSC.**

Version 1

Print Date 04.08.2003

Revision Date 04.07.2003

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

Trade name : ARALDITE KIT K330 PART A  
 Use : General purpose filled epoxy resin

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 bisphenol A/F epoxy resin

**Hazardous components**

Chemical Name	CAS-No.	Symbol(s):	R-phrases(s)	Concentration [%]
reaction product: bisphenol A- (epichlorhydrin); epoxy resin (number average molecular weight < 700)	25068-38- 6	Xi, N	R36/38 R43 R51/53	>= 30.00 - < 60.00
butanedioldiglycidyl ether	2425-79-8	Xn	R20/21 R36/38 R43 R52/53	>= 10.00 - < 30.00
bisphenol A/F-epoxy resins, mw <700	40216-08- 8	Xi, N	R36/38 R43 R51/53	>= 10.00 - < 30.00

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.  
 If symptoms persist, call a physician.

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

Skin contact : Wash off with soap and plenty of water.  
 Do NOT use solvents or thinners.  
 If skin irritation persists, call a physician.

**Ident-No: ARALDITE KIT K330 PART A****Hazardous according to the criteria of NOHSC.**

Version 1

Print Date 04.08.2003

Revision Date 04.07.2003

Ingestion : Immediately give plenty of water (if possible charcoal slurry).  
If a person vomits when lying on his back, place him in the recovery position.  
Oxygen or artificial respiration if needed.  
Do not induce vomiting.

**Notes to physician**

Treatment : No specific antidote. Treat symptomatically.  
First aid facility: Eye wash station . Showering facility.  
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 (CO<sub>2</sub>).  
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.

**6. ACCIDENTAL RELEASE MEASURES**

Personal precautions : Keep away from sources of ignition - No smoking.  
Avoid contact with skin, eyes and clothing.  
Do not breathe vapours/dust.

Environmental precautions : Prevent product from entering drains.  
Do not contaminate surface water.  
Avoid subsoil penetration.  
If in doubt contact Vantico Pty. Limited using contact details provided on this SDS.

Methods for cleaning up : Soak up with inert absorbent material and dispose of as hazardous waste.

**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.

**Ident-No: ARALDITE KIT K330 PART A****Hazardous according to the criteria of NOHSC.**

Version 1

Print Date 04.08.2003

Revision Date 04.07.2003

**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.

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

Components	CAS-No.	Control parameters	Update	Basis
------------	---------	--------------------	--------	-------

**Engineering measures**

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 : Protective suit.  
Safety shoes.

Protective measures : Keep away from sources of ignition - No smoking.  
Avoid contact with skin, eyes and clothing.

Use with adequate ventilation. If risk of inhalations exists, wear an organic vapour respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

Wear overalls, chemical resistant goggles and impervious gloves (as per AS 2161, or as recommended by supplier).

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form : paste

Colour : white

Odour : slight

pH : no data available

Boiling point : > 200 °C

Thermal decomposition : > 200 °C

**Ident-No: ARALDITE KIT K330 PART A****Hazardous according to the criteria of NOHSC.**

Version 1

Print Date 04.08.2003

Revision Date 04.07.2003

Flash point	: 172 °C Method: DIN 51758 (Pensky-Martens Closed Cup)
Vapour pressure	: at 20 °C Note: negligible
Density	: 1.40 - 1.45 g/cm <sup>3</sup> at 25 °C
Water solubility	: at 20 °C Note: insoluble
Miscibility with water	: immiscible
Viscosity, dynamic	: at 25 °C Note: no data available

**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. 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: > 2,000 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

**Ident-No: ARALDITE KIT K330 PART A****Hazardous according to the criteria of NOHSC.**

Version 1

Print Date 04.08.2003

Revision Date 04.07.2003

- Sensitization : Causes sensitization.  
guinea pig  
dermal
- Further information : Chronic exposure: Repeated or prolonged contact with low  
molecular weight (liquid) epoxy resins may result in skin  
sensitisation.

**12. ECOLOGICAL INFORMATION****Ecotoxicity effects**

- Toxicity to fish : LC50  
Species: Rainbow trout (...)  
Dose: 2.4 mg/l  
Exposure time: 96 h
- Toxicity to daphnia : LC50  
Species: Daphnia magna Straus 1820  
Dose: 3.6 mg/l  
Exposure time: 24 h

**Further information on ecology**

- Additional ecological information : 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**

**Ident-No: ARALDITE KIT K330 PART A****Hazardous according to the criteria of NOHSC.**

Version 1

Print Date 04.08.2003

Revision Date 04.07.2003

*IMDG:*

Regulation: Not dangerous goods

**Air transport***IATA-DGR:*

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)	: S28 S37/39 S61	After contact with skin, wash immediately with plenty of soap and water. Wear suitable gloves and eye/face protection. Avoid release to the environment. Refer to special instructions/Safety data sheets.
Exceptional labelling of special preparations	: Contains epoxy constituents. See information supplied by the manufacturer.	
Hazardous components which must be listed on the label	: reaction product: bisphenol A-(epichlorhydrin); epoxy resin (number average molecular weight < 700)  butanedioldiglycidyl ether bisphenol A/F-epoxy resins, mw <700	

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

: AICS yes

**Ident-No: ARALDITE KIT K330 PART A****Hazardous according to the criteria of NOHSC.**

Version 1

Print Date 04.08.2003

Revision Date 04.07.2003

**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&amp;S MANAGER

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

FACSIMILE: (03) 9280 2329