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Material Safety Data Sheet

DATE OF ISSUE 31/01/2009

IDENTIFICATION

Product Name:	EPOXY HARDENER
Other Names:	N/A
Manufacturer's Product Code:	7139
UN Number:	1866
Dangerous Goods Class & Subsidiary Risk:	3
Hazchem Code:	3(Y)
Poisons Schedule Number:	S5
Use:	This product is an epoxy hardener

Physical Description/Properties

Appearance:	Clear amber liquid with an aromatic hydrocarbon odour.
Boiling Point/Melting Point:	137-143 deg C / NA
Vapour Pressure:	5.2 kPa @ 38 deg C
Specific Gravity:	0.92 - 0.96
Flashpoint:	27 deg C TCC
Flammability Limits:	7.7%
Solubility in Water:	Insoluble

Other Properties:

Percentage Volatiles	37.5%
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Ingredients

Chemical Name:	CAS Number:	Proportion:
Polyamide Resin	68082-29-1	50-75%
Xylene	1330-20-7	25-50%

HEALTH HAZARD INFORMATION

Health Effects: TOXICOLOGY

<i>Acute:</i>	No toxicology data available for this product.
Inhalation	
Ingestion	
Skin	
Eye	Harmful by inhalation. High vapour concentrations are irritating to the respiratory tract, may cause headaches and dizziness, are anaesthetic and may have other central nervous system effects.
Chronic Effects	
	May cause irritation. Ingestion may cause nausea, vomiting, abdominal pain and CNS depression with symptoms including dizziness, drowsiness, weakness, headache, fatigue, confusion and and possible unconsciousness. Small amounts of liquid aspirated into the respiratory system during ingestion, or from vomiting may cause bronchiopneumonia or pulmonary oedema.
	Harmful in contact with skin. Irritating to skin. May cause sensitisation by skin contact. May be absorbed through the skin with resultant toxic effects.
	Irritating to eyes.
	Prolonged or repeated skin contact may cause defatting leading to dermatitis. Repeated exposure may have an affect on the central nervous system, as well as irritation of mucous membranes, headaches, dizziness, nausea, loss of appetite, kidney damage and intolerance to alcohol.

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First Aid

Swallowed: Do NOT induce vomiting. Contact a Poisons Information Centre at once.

Eye: Irrigate with copious quantity of water for at least 15 minutes. Seek medical assistance.

Skin: Wash with plenty of soap and water. Remove contaminated clothing, including shoes. Seek medical assistance if symptoms persist.

Inhaled: Using proper respiratory protection, immediately remove the affected person from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Seek immediate medical assistance.

First Aid Facilities: Eye wash fountains and safety showers should be easily accessible.

Advice to Doctor:

SYMPTOMS AND FINDINGS

ORAL: Gastrointestinal irritation, nausea, vomiting and cramping. CNS depression, ranging from mild headache to anaesthesia 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. Pulmonary irritation secondary to exhalation of solvent.

ASPIRATION: Severe lung irritation with coughing, gagging, dyspnea, substernal 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: Aspiration is main danger. Enforce bed rest and observe carefully. Administer oxygen with slight positive pressure and antifoaming agent. Maintain airways and vital functions. Prophylactic antibiotics useful.

INHALATION: Administer oxygen with slight positive pressure and antifoaming agent. Avoid sympathomimetic amines.

PRECAUTIONS FOR USE

Exposure Standards: The following National Occupational Health and Safety Commission (NOHSC) exposure limits apply:

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Xylene	80	350	150	655

Engineering Controls: Local exhaust ventilation is usually required. Provide explosion proof ventilation system. Maintain adequate ventilation. Maintain concentration levels below the exposure limit set for the solvent. Performance of ventilation system should be regularly monitored.

Respiratory Protection: Where concentrations in air may exceed the recommended exposure limits, or work practice or other means of exposure reduction are not adequate, approved respirator may be necessary to prevent overexpos

Eye Protection: protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.

Safety glasses or chemical goggles as appropriate. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 -

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PRECAUTIONS FOR USE (Cont)

Hand Protection:
Footwear:
Body Protection:
Hygiene Measures:

**Eye Protectors for Industrial Applications.
Chemical resistant gloves.
Safety boots.
Long sleeved overalls.
Ensure a high level of personal hygiene is maintained when using this product. Always wash hands before eating, drinking, smoking, or using the toilet.**

SAFE HANDLING INFORMATION

Waste Disposal:

Dispose of according to relevant government regulations. Labels should not be removed from containers until they have been cleaned. Do not cut, puncture or weld on or near containers. Empty containers may contain hazardous residues. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate. Do not incinerate closed containers.

OTHER INFORMATION:

N/A

CONTACT POINT:

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