

Material Safety Data Sheet

MSDS: Excel Epoxy 50 Part A

Date of Issue: June 2004
Supersedes Issue Date: August 1997

Excel Epoxy 50 Part A

Company Details

Nutech Paint Pty Ltd (A.B.N. 94 242 116 396)
4 Keppler Circuit, Seaford, Victoria 3198, Australia
Tel: (03) 9775 1491 Fax: (03) 9775 1680
Emergency Telephone 000

Product Identification

This product is classified as hazardous according to criteria of Worksafe Australia

Product Name: Excel Epoxy 50 Part A
Other Names:
Shipping Name: Resin Solution, Flammable
U.N. Number: 1866
D.G. Class: 3
Subsidiary Risk: N/A
Hazchem Code: 3[Y]
Packaging Group: III
Poisons Schedule: 5
Chemical Description: Pigmented/unpigmented solution of epoxy resins & hydrocarbon solvents
Use: Surface coating when mixed with Excel Epoxy Part B

Physical Description / Properties

Appearance: Clear or pigmented viscous liquid
Odour: Hydrocarbon solvent
Boiling Point (°C): Range 116 - 199
pH: N/A
Relative Density: 1.2
Shelf Life: 18 months
Flammability Limits: See 'Fire/Explosion Hazard' under 'Safe Handling Information'
Solubility in Water: Negligible
Solubility in Organic Solvents: Soluble
Vapour Pressure (kPa): NAS
Volatiles %: > 60
Flash Point (°C): 23

Ingredients

<u>Chemical Entity</u>	<u>C.A.S. Number</u>	<u>Proportions %</u>
Xylene	1330-20-7	< 10
N Butanol	71-36-3	10 - 30
Diacetone Acohol	123-42-2	10
N Butyl Acetate	123-86-4	10 - 30
Propylene Glycol Monomethyl Ether Acetate	108-65-6	< 10
Aromatic Epoxy Resin	25068-38-6	30 - 60

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Health Hazard Information

Health Effects

Effects of Overexposure – Acute

Swallowed

Considered to be harmful by ingestion.

Eye

Highly irritating to the eyes.

Skin

Mildly irritating to the skin. Frequent or prolonged contact can cause dermatitis (see chronic)

Inhaled

Irritant to mucous membranes, high concentrations may cause dizziness, drowsiness

Effects of Exposure – Chronic

Susceptible individuals may develop allergic reactions such as dermatitis or asthma-like symptoms on a single significant skin exposure, or may become sensitised to the material on repeat contact.

Emergency and First Aid Procedures

Swallowed

Do not induce vomiting. Give a glass of water & seek immediate medical attention

Eye

Immediately hold open eyes and flush with water continuously for at least 15 minutes and seek medical attention.

Skin

Remove contaminated clothes and wash affected area with plenty of soap & water

Inhaled

Remove to fresh air. If breathing stops, apply artificial respiration. Seek immediate medical attention if effects persist.

Advice to Doctor

Treat symptomatically. Because of the risk of aspiration, gastric lavage should only be undertaken after endotracheal intubation.

Precautions for Use

Exposure Standards

50 ppm for 8 hour working day exposure

Engineering Controls

Avoid heating product. Use mechanical ventilation to keep below TLV

Ventilation

Use in well ventilated area or use local exhaust - face velocity > 20 m/min

Personal Protection

Gloves: Long impervious PVC

Overalls: Cotton

Eyes: Chemical goggles resistant to aromatic hydrocarbon solvents

Respiratory: Avoid breathing vapour or spray mist. Where sufficient ventilation is not available, wear an AS1716 approved organic vapour respirator. Where exposure guidelines may be greatly exceeded (eg, in confined areas) use air supplied respirator

Other: Avoid contact with skin, wear arpon, gloves, overalls, fire and safety boots

Flammability

Flammable liquid, Use in well ventilated areas away from ignition source

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Safe Handling Information

Storage and Transport

Store away from heat, alkalis, foodstuffs and empty foodstuff containers and oxidising agents (such as chlorates, nitrates etc). Remove container lids and bungs slowly to release any internal pressure. Isolate from sources of heat, naked flames or sparks. Ensure fittings are earthed and flame proofed. Ensure adequate ventilation. Explosive air-vapour mixture may form. Take precautions against static electricity and sparking.

Spill

Remove all ignition sources. Isolate area. Recover free liquid. Absorb in dry inert material and place in sealable labelled drums. Avoid breathing vapours. Ventilate confined spaces or use breathing apparatus. Keep out of sewers and drains by diking or impounding. Advise authorities.

Waste Disposal

Observe all Federal, State and Local regulations. Dispatch sealed labelled material to approved waste authority.

Fire / Explosion Hazard

Explosion Limit Upper:	7.0%
Explosion Limit Lower:	0.9%
Dust Explosion Hazard:	N/A
Hazardous Decomposition Products:	Smoke, carbon monoxide
Hazardous Polymerisation Products/Reactions:	Unlikely
Extinguishing Media:	Foam, carbon dioxide, dry chemical. Cool drums with water spray
Other Precautions:	Fire fighter should wear self-contained breathing apparatus in fire situations.

Contact Points

Nutech Paint Pty Ltd:	(03) 9775 1491
Poisons Information Centre:	131 126
Fire Brigade:	000
Ambulance:	000
Police:	000

Key to Abbreviations

N/A	Not applicable
NAS	Not assigned
°C	Degrees Celsius
k/Pa	Kilopascals
m/min	