

MATERIAL SAFETY DATA SHEET

IDENTIFICATION

PRODUCT NAME:

**EPOXY
DOMING
RESIN BASE**

Supplier: Norski Holdings Ltd
10 Bristol Street
Riverlands
Blenheim
New Zealand
Telephone: 03 578 3316
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Emergency: 0800 764 766 (National Poison
Centre, 24 hours)

HMIS HAZARD RATING INDEX

3 Health
1 Flammability
0 Reactivity
H Personal Protection

SECTION 1 – PRODUCT INFORMATION

Chemical Trade name / Synonyms Diluted Epoxidised Resin
Chemical Family Diluted Epoxidised Resin
DOT Hazard Classification Not required
Formula/Molecular Weight N/A - Mixture

SECTION 2 – HAZARDOUS INGREDIENTS

Material or Component	CAS Number	Contents %	ACGIH TLV	OSHA (PEL)	STEL
Benzyl Alcohol	100-51-6		N/A	N/A	N/A
Bisphenol-F based epoxy resin	28064-14-4		N/A	N/A	N/A
Bisphenol-A based epoxy resin	25068-38-6		N/A	N/A	N/A
Epichlorohydrin	106-89-6	<4ppm	2ppm	2ppm	

SECTION 3 – PHYSICAL DATA

Boiling Point: 170C	Melting Point: N/A	Solubility / Water: Slight
% Volatile: <15	Specific Gravity: 1.14	VAp.Pr <1mm Hg 20C
Evaporation Rat: Slower than Butyl Acetate	Vap. Density: Heavier than air	pH: No info.
Freezing Point: No info	Viscosity: 800cps (25C)	Critical Tem: No info
Appearance and Odour: Light yellow coloured liquid with mild odour.		

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flashpoint: 81C (TOC)	Auto-ignition temp. >450C	
Flammable limits in air: (%)	Lower: n/d	Upper: n/d
Extinguishing Media:	Foam, CO2, Dry Chemical.	
Special Fire Fighting Procedures:	Remove all ignition sources. Wear self-contained breathing apparatus and complete personal protective equipment.	
Unusual fire and explosion hazards:	Closed containers may rupture (due to build-up of pressure) if exposed to extreme heat.	

SECTION 5 – REACTIVITY DATA

Product Corrosive: No.	Stability: Stable.
Hazardous Polymerisation:	Will not occur by itself, but a mass of more than 500gm of product plus an epoxy resin will cause irreversible polymerisation and significant heat build-up.
Conditions to Avoid:	Excessive heating over long periods can degrade the resin.
Materials to Avoid:	Strong acids or bases.
Hazardous decomposition products:	The by-products expected in incomplete pyrolysis or combustion of epoxy resins are mainly carbon dioxide and carbon monoxide.

SECTION 6 – HEALTH HAZARD DATA

Ingestion:	Low acute oral toxicity.
Inhalation:	Not considered a problem unless heated to a high temperature.
Eye:	May cause irritation.
Skin Contact:	May cause allergic skin response.
Skin Absorption:	Not likely to be absorbed in toxic amounts.
Chronic effects of over-exposure:	Epichlorohydrin has been reported to produce cancer in laboratory animals and epidemiological studies present "weak" evidence of cancer risk to humans. It is listed in the IARC monographs and by NTP.
Other:	Referral to a physician is recommended if there is any question about the seriousness of an injury.

SECTION 7 – EMERGENCY AND FIRST AID PROCEDURES

Ingestion:	Induce vomiting if large amounts are ingested.
Inhalation:	Remove to fresh air if effects occur. Contact a physician.
Eye Contact:	Immediately flush eye with water for 5 minutes. Contact a physician.
Skin:	Wash off in flowing water or shower. Consult a physician. Decontaminate clothing and accessories before re-use.

SECTION 8 – SPILLS, LEAKS, HANDLING AND STORAGE PROCEDURES

Spill and Leak Procedures:	Soak up in absorbent material or scrape up. Residual can be removed with non-flammable solvent such as methylene chloride.
Waste Disposal Method:	Disposer must comply with federal, state and local laws.
Handling and Storage Methods:	Store in tight containers to prevent moisture absorption and loss of volatiles.

SECTION 9 – SPECIAL PROTECTION INFORMATION

Ventilation Requirements:	Good room ventilation adequate for most operations.
Respiratory Protection:	Use NIOSH/MSHA approved respirators whenever exposure to vapour or mist is likely, unless levels are below applicable limits.
Protective Clothing:	Clean, body-covering clothing, rubber gloves.
Eye Protection:	Safety glasses.
Additional Protective Measures:	Practice good caution and personal cleanliness to avoid skin contact. Avoid breathing vapours of heated materials.

SECTION 10 – SPECIAL PRECAUTIONS

None.

SECTION 11 – ADDITIONAL INFORMATION

This product contains the following chemicals that have been designated as cancer and/or reproductive hazards under California Proposition 65 SARA Title III, Section 313 and State R-T-K composition in Pennsylvania, Massachusetts and Canada.

Component	CAS Number	WT %
Epichlorohydrin	106-89-8	<4PPM

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