



EPOXIES • RESINS • GLUES • FILLERS

## MATERIAL SAFETY DATA SHEET EPOXY DOMING RESIN BASE

Effective Date : March 2017

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### I. Product Information

**MANUFACTURER:** Norski Holdings Ltd, 10 Northpoint Street, Plimmerton, 5024 New Zealand

**PRODUCT NAME:** Epoxy Doming Resin Base.

**CHEMICAL FAMILY:** Diluted Epoxidised Resin.

**DOT HAZARD CLASSIFICATION:** Not required. .

**FORMULA/MOLECULAR WEIGHT:** Mixture.

### II. Hazardous Ingredients

**MATERIAL/COMPONENT:** Benzyl Alcohol

**CAS NUMBER:** 100-51-6

**CONTENTS %:**

**ACGIH TLV:** N/A

**OSHA (PEL):** N/A

**STEL:** N/A

**MATERIAL/COMPONENT:** Bisphenol-F based epoxy resin

**CAS NUMBER:** 28064-14-4

**CONTENTS %:** N/A

**ACGIH TLV:** N/A

**OSHA (PEL):** N/A

**STEL:** N/A

**MATERIAL/COMPONENT:** Bisphenol-A based epoxy resin

**CAS NUMBER:** 25068-38-6

**CONTENTS %:** N/A

**ACGIH TLV:** N/A

**OSHA (PEL):** N/A

**STEL:** N/A

**MATERIAL/COMPONENT:** Epichlorohydrin

**CAS NUMBER:** 106-89-6

**CONTENTS %:** <4ppm

**ACGIH TLV:** 2ppm

**OSHA (PEL):** 2ppm

**STEL:**

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### III. 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.

### IV. Fire & Explosion Hazard Data

**FLASH POINT:** 81°C (TOC) AUTO

**IGNITION TEMP:** >450C

**FLAMMABLE LIMITS IN AIR (%):** LOWER - No Data; Upper : UPPER: No Data

**EXTINGUISHING MEDIA:** Foam, CO<sub>2</sub>, 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.

### V. 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 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.

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## VI. 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.

## VII. 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 15 minutes. Contact a physician.

**SKIN:** Wash off in flowing water or shower. Consult a physician. De-contaminate clothing and accessories before re-use.

**NOTES TO PHYSICIAN:** Hazards from this material are mainly due to its moderately severe corrosive effects on skin and mucosal surfaces. No specific antidote. Treatment should be directed at control of symptoms and the clinical condition of the patient.

**EMERGENCY:** 0800 POISON (764 766)

## VIII. 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.

## IX. 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.



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## **X. 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:** Epichlorohydrin

**CAS NUMBER:** 106-89-8

**WT %:** <4ppm

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