

# Material Safety Data Sheet

CS: 1.4.93

Page: 1 of 5

Infosafe No™ LPZCZ

Issue Date : August 2010

ISSUED by BONDALL

Product Name : EPOXY - PREP SURFACE CONDITIONER RESIN

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name** EPOXY - PREP SURFACE CONDITIONER RESIN  
**Product Code** 2 Litre 26400, 4 Litre 26700  
**Company Name** BONDALL PTY LTD (ABN 27 008 734 996)  
**Address** 113 Belmont Avenue  
Belmont  
WA 6104 Australia  
**Emergency Tel.** 0400 705 773 or Poisons Information Centre: 13 11 26  
**Telephone/Fax Number** Tel: (08) 6272 3800  
Fax: (08) 9277 4068  
**Recommended Use** Resin part of the two packs system to be used as a waterproofing substrate conditioner.

## 2. HAZARDS IDENTIFICATION

**Hazard Classification** HAZARDOUS SUBSTANCE.  
DANGEROUS GOODS.  
Hazard classification according to the criteria of NOHSC.  
Dangerous goods classification according to the Australia Dangerous Goods Code.  
**Risk Phrase(s)** R36/38 Irritating to eyes and skin.  
R43 May cause sensitization by skin contact.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
**Safety Phrase(s)** S2 Keep out of reach of children.  
S24/25 Avoid contact with skin and eyes.  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.  
S61 Avoid release to the environment. Refer to special instructions/safety data sheet.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	Bisphenol A/Epichlorohydrin Resin	25068-38-6	30-60 %
	Non-hazardous ingredients		Balance

## 4. FIRST AID MEASURES

**Inhalation** If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms persist seek medical attention.  
**Ingestion** Do not induce vomiting. Wash out mouth thoroughly with water. If symptoms develop seek medical attention.  
**Skin** Wash affected area thoroughly with soap and water. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water wash before reuse or discard. Seek medical attention.  
**Eye** If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek immediate medical attention.  
**First Aid Facilities** Eye wash fountain, safety shower and normal washroom facilities.  
**Advice to Doctor** Treat symptomatically.  
**Other Information** For advice in an emergency, contact a Poisons Information Centre (Phone Australia 13 1126) or a doctor at once.

## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media** Use carbon dioxide, dry chemical or foam.

# Material Safety Data Sheet

CS: 1.4.93

Page: 2 of 5

Infosafe No™ LPZCZ Issue Date : August 2010 ISSUED by BONDALL

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<b>Hazards from Combustion</b>	Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide, carbon dioxide and oxides of nitrogen.
<b>Products Specific Methods</b>	Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode.
<b>Specific Hazards</b>	Combustible liquid. This product will readily burn under fire conditions.
<b>Hazchem Code</b>	•3Z
<b>Precautions in connection with Fire</b>	Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers.

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## 6. ACCIDENTAL RELEASE MEASURES

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<b>Emergency Procedures</b>	Wear appropriate personal protective equipment and clothing to prevent exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. If possible contain the spill. Place inert absorbent, non-combustible material onto spillage. Use clean non-sparking tools to collect the material and place into suitable labelled containers for subsequent recycling or disposal. Clean area with detergent. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water authorities and EPA in accordance with local regulations.
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## 7. HANDLING AND STORAGE

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<b>Precautions for Safe Handling</b>	Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Avoid inhalation of vapours and mists, and skin or eye contact. Do not use near ignition sources. Do not pressurise, cut, heat or weld containers as they may contain hazardous residues. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.
<b>Conditions for Safe Storage</b>	Store in a cool (between 15-30°C), dry, well-ventilated area away from sources of ignition, oxidising agents, sunlight, foodstuffs, and clothing. Do not allow product to freeze. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. For information on the design of the storeroom, reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids. Reference should also be made to all applicable local and national regulations.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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<b>National Exposure Standards</b>	No exposure standards have been established for the mixture by the National Occupational Health & Safety Commission (NOHSC). However, over-exposure to some chemicals may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions and should be kept to the least possible levels.
<b>Biological Limit Values</b>	No biological limits allocated.
<b>Engineering Controls</b>	Provide sufficient ventilation to keep airborne levels below the exposure limits. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flameproof exhaust ventilation system is required. Refer to AS 1940 - The storage and handling of flammable and combustible liquids and AS/NZS 2430.3.1:1997: Classification of hazardous areas - Examples of area classification - General, for further information concerning ventilation requirements.
<b>Respiratory Protection</b>	If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable organic vapour filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

# Material Safety Data Sheet

CS: 1.4.93

Page: 3 of 5

Infosafe No™ LPZCZ Issue Date : August 2010 ISSUED by BONDALL

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<b>Eye Protection</b>	Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.
<b>Hand Protection</b>	Wear Neoprene or butyl rubber gloves. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.
<b>Body Protection</b>	Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	White homogeneous liquid.
<b>Odour</b>	Epoxy
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	0°C
<b>Boiling Point</b>	>100°C
<b>Solubility in Water</b>	Miscible with water.
<b>Specific Gravity</b>	1.26-1.28 kg/L
<b>pH Value</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density (Air=1)</b>	Not available
<b>Viscosity</b>	15,000-25,000 cps
<b>Flash Point</b>	Not available
<b>Flammability</b>	Non-flammable
<b>Auto-Ignition Temperature</b>	Not available
<b>Flammable Limits - Lower</b>	Not available
<b>Flammable Limits - Upper</b>	Not available

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable under normal conditions of storage and handling.
<b>Conditions to Avoid</b>	Heat and other sources of ignition. Extremes of temperature and direct sunlight. Do not allow product to freeze.
<b>Incompatible Materials</b>	Oxidising agents(e.g. perchlorates, nitrates etc.)
<b>Hazardous Decomposition Products</b>	Thermal decomposition may result in the release of toxic and/or irritating fumes and gases including carbon monoxide, carbon dioxide and oxides of nitrogen.
<b>Hazardous Polymerization</b>	Will not occur.

## 11. TOXICOLOGICAL INFORMATION

<b>Toxicology Information</b>	No toxicity data available for this material. The available toxicity data for the ingredients are as follows: Acute toxicity data for Bisphenol A/epichlorhydrin resin: LD50 (Oral, Rat): 11,400 mg/kg LD50 (Dermal, Rat): 16,600 mg/kg
<b>Inhalation</b>	Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.

# Material Safety Data Sheet

CS: 1.4.93

Page: 4 of 5

Infosafe No™ LPZCZ Issue Date : August 2010 ISSUED by BONDALL

Product Name : EPOXY - PREP SURFACE CONDITIONER RESIN

**Ingestion** Ingestion of this product may irritate the gastric tract, causing nausea and vomiting.

**Skin** Irritating to skin. Skin contact will cause redness, itching and swelling. May cause sensitisation by skin contact. Dermal contact may result in change of skin colour.

**Eye** Irritating to eyes. On eye contact this product will cause tearing, stinging, blurred vision, and redness.

**Chronic Effects** Prolonged or repeated skin contact may lead to allergic contact dermatitis and sensitisation in some individuals.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Persistence / Degradability** Not readily biodegradable.

**Mobility** Miscible with water.

**Bioaccumulative Potential** Has the potential to bioaccumulate.

**Environ. Protection** Do not discharge this material into waterways, drains and sewers.

## 13. DISPOSAL CONSIDERATIONS

**Disposal Considerations** Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all applicable local and national regulations.

## 14. TRANSPORT INFORMATION

**Transport Information** This material is classified as a Class 9 (Miscellaneous Dangerous Goods) dangerous Goods according to The Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition). Class 9 Dangerous Goods are incompatible in a placard load with any of the following:

- Class 1, Explosives (when the class 9 substance is a fire risk substance),
- Division 5.1, Oxidizing agents (when the class 9 substance is a fire risk substance), and
- Division 5.2, Organic peroxides (when the class 9 substance is a fire risk substance).

This product may meet the requirements of Special Provision AU01 applicable under the Australian Code for the Transport of Dangerous Goods by Road and Rail 7th Edition (ADG 7): Environmentally Hazardous Substances meeting the descriptions of UN 3077 or UN 3082 are not subject to this Code when transported by road or rail in:

- a) packagings;
- b) IBCs; or
- c) any other receptacle not exceeding 500 Kg(L).

**U.N. Number** NOTE: other special provisions may also apply to this substance.  
3082

**Proper Shipping Name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

**DG Class** 9

**Hazchem Code** •3Z

**Packing Group** III

**EPG Number** 9C1

**IERG Number** 47

## 15. REGULATORY INFORMATION

**Regulatory Information** Classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.

# Material Safety Data Sheet

CS: 1.4.93

Page: 5 of 5

Infosafe No™ LPZCZ	Issue Date : August 2010	ISSUED by BONDALL
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<b>Poisons Schedule</b>	Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP). S5
<b>Hazard Category</b>	Irritant, Dangerous for the environment

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## 16. OTHER INFORMATION

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<b>Date of preparation or last revision of MSDS</b>	MSDS Created: August 2010
<b>Contact Person/Point</b>	Chemist: Tel No: (08) 6272-3800 Emergency: Tel No: 0400 705 773 ...End Of MSDS...

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