Infosafe No™ LPT27 Issue Date :January 2011 ISSUED by PARCHEMD

Product Name **FOSROC NITOBOND EP BASE**

Classified as hazardous

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name FOSROC NITOBOND EP BASE

Company Name Parchem Construction Supplies Pty Ltd (ABN ABN 80 069 961)

Address 7 Lucca Road Wyong
NSW 2259 Australia

Emergency Tel. Australia 1800 638 556 and New Zealand 0800 154 666 (both available 24/7)

Telephone/Fax Number Tel: 02 4350 5000
Fax: 02 4351 2024

Recommended Use Base component of epoxy primer.

Other Information Distributed in New Zealand by:
Concrete Plus
23 Watts Road
Sockburn
New Zealand
Tel: (03) 343 0090
Fax: (03) 343 0202

This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Parchem Construction Supplies Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace.
If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.
Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.

Australia: www.parchem.com.au
New Zealand: www.parchem.co.nz

2. HAZARDS IDENTIFICATION

Hazard Classification Classified as hazardous
Australia:
Classified as Hazardous according to criteria of National Occupational Health & Safety Commission, Australia (NOHSC).
Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

New Zealand:
Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.
Classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2007 Transport of Dangerous Goods on Land.

HSNO Classification:
6.3B - Substance that is mildly irritating to the skin
6.4A (Mild irritant) - Substance that is irritating to the eyes
6.5B - Substance that is a contact sensitiser
6.9B (Repeated exposure) - Substance that is harmful to human target organs or systems
9.1B - Substance that is ecotoxic in the aquatic environment

Hazard statement codes:
H316 Causes mild skin irritation.
H317 May cause an allergic skin reaction.
H320 Causes eye irritation.
H373 May cause damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statement codes - Prevention:
P103* Read label before use. -This statement applies only where the substance is available to the general public.
P104 Read Safety Data Sheet before use.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash skin thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment. -This statement does not apply where this is the intended use.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement codes - Response:
P314 Get medical advice/attention if you feel unwell.
P391 Collect spillage.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P332+P313 If skin irritation occurs: Get medical advice/ attention.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

Precautionary statement codes - Disposal:
P501 In the case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided. See Section 13 for disposal details.

Risk Phrase(s)
Classified as hazardous
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)
S16 Keep away from sources of ignition - No smoking.
S23 Do not breathe gas/fumes/vapour/spray
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.

Medical Conditions Generally Aggravated by Exposure
Those previously sensitised to bisphenol resins should take particular care when working with this product.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Name	CAS	Proportion	Hazard Symbol	Risk Phrase
Epichlorohydrin, bisphenol A resin	25068-38-6	50-100 %	Xi, N	R36/38, R43, R51/53
C12-C14 Alkyl glycidyl ether	68609-97-2	10-30 %		
Phenol, polymer with formaldehyde, glycidyl ether	28064-14-4	10-30 %		
Ingredients determined not to be hazardous	Not required	To 100%		

4. FIRST AID MEASURES

Inhalation
If inhaled, remove affected person from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.

Ingestion	DO NOT induce vomiting. Immediately wash mouth out with water. If irritation develops, seek medical attention.
Skin	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Ensure contaminated clothing is washed before re-use or discard. If irritation develops, 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. Remove clothing if contaminated and wash skin. Seek immediate medical assistance.
First Aid Facilities	Eye wash 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; New Zealand 0800 POISON / 0800 764 766) or a doctor at once.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Use dry chemical powder, carbon dioxide or foam. Do NOT use water jets. Cool fire exposed containers with water spray.
Hazards from Combustion Products	Under fire conditions this product may emit toxic and/or irritating fumes and gases including carbon monoxide and carbon dioxide.
Specific Hazards	Combustible paste.
Hazchem Code	•3Z
Precautions in connection with Fire	Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures	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. 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.

7. HANDLING AND STORAGE

Precautions for Safe Handling	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.
Conditions for Safe Storage	Store in a cool, dry, well-ventilated area away from sources of ignition. This product should be stored away from foodstuffs and strong oxidising agents. Keep containers closed when not in use and securely sealed and protected agains physical damage. Inspect regularly for deficiencies such as damages or leaks. Reference should be made to any relevant Commonwealth, State or Territory regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	No exposure standards have been established for the mixture by the Occupational Safety and Health Service (OSH) of the New Zealand Department of Labour. However, over-exposure to some industrial chemicals may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions and should be kept to the least possible levels.
Biological Limit Values	No biological limit allocated.
Engineering Controls	Use with good general ventilation. If mists or vapours are produced local exhaust ventilation should be used.

Respiratory Protection	If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable mist/particulate 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.
Eye Protection	Safety glasses with side shields, goggles or full-face shield as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.
Hand Protection	Wear gloves of impervious material. 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.
Body Protection	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

Appearance	Black paste.
Odour	Not available.
Melting Point	Not available
Boiling Point	Not available
Solubility in Water	Negligible
Specific Gravity	1.13 at 23°C
pH Value	Not available
Vapour Pressure	Not available
Vapour Density (Air=1)	Not available
Flash Point	> 150°C
Flammability	Combustible substance.
Auto-Ignition Temperature	Not available
Flammable Limits - Lower	Not available
Flammable Limits - Upper	Not available

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions of storage and handling.
Conditions to Avoid	Heat, flames and other ignition sources.
Incompatible Materials	Strong oxidising agents.
Hazardous Decomposition Products	Thermal decomposition may result in the release of toxic and/or irritating fumes including carbon monoxide and carbon dioxide.
Hazardous Reactions	Product as received will not present a dust explosion hazard. If cured material made using this product is to be machined, or sanded, a dust explosion hazard may be created. All dust generated should be removed as quickly as possible, preferably by the use of a vacuum cleaner.
Hazardous Polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	No data available for the product.
Inhalation	Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.
Ingestion	Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
Skin	Will cause redness, itching and irritation. This product may cause sensitisation in contact with skin.
Eye	Will cause irritation in contact with eyes, resulting in inflammation, stinging and blurred vision.
Chronic Effects	Repeated or prolonged contact will result in skin irritation and possible dermatitis and sensitisation.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Persistence / Degradability	Not available
Mobility	Not available
Environ. Protection	Prevent this material entering waterways, drains and sewers.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations

Product Disposal:
Product wastes are controlled wastes and should be disposed of in accordance with all applicable local and national regulations. This product can be disposed through a licensed commercial waste collection service. It can be disposed by burning in an approved high temperature incineration facility; or alternatively, it can be reacted with the catalyst/hardener component to enable it to cure to an inert solid that can be disposed in a licensed landfill facility.
Personal protective clothing and equipment as specified in Section 8 of this SDS must be worn during handling and disposal of this product. The ventilation requirements as specified in the same section must also be followed, and the precautions given in Section 7 of this SDS regarding handling must also be followed.
Do not dispose into the sewerage system. Do not discharge into drains or watercourses or dispose where ground or surface waters may be affected.
In New Zealand, the disposal agency or contractor must comply with the New Zealand Hazardous Substances (Disposal) Regulations 2001. Further details regarding disposal can be obtained on the ERMA New Zealand website under specific group standards.
Container Disposal:
The container or packaging must be cleaned and rendered incapable of holding any substance. It can then be disposed of in a manner consistent with that of the substance it contained. In this instance the packaging can be disposed through a commercial waste collection service.
Alternatively, the container or packaging can be recycled if the hazardous residues have been thoroughly cleaned or rendered non-hazardous.
In New Zealand, the packaging (that may or may not hold any residual substance) that is lawfully disposed of by householders or other consumers through a public or commercial waste collection service is a means of compliance with regulations.

14. TRANSPORT INFORMATION

Transport Information

Australia:
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).

Note: Special Provision AU01
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).

New Zealand:
This material is classified as a Class 9 - Miscellaneous Substance according to NZS 5433:2007 Transport of Dangerous Goods on Land.
Must not be loaded in the same freight container or on the same vehicle with:
- Class 1, Explosives

Goods of packing group II or III may be loaded in the same freight container or on the same vehicle if transported in segregation devices with:
(Note 3; Segregation devices may be used as to segregate dangerous goods of Class 9 when the nature of those dangerous goods requires them to be segregated from dangerous goods of);
- Class 3, Flammable liquids
- Class 4.1, Flammable solids
- Class 4.2, Spontaneously combustible substances
- Class 4.3, Dangerous when wet substances
- Class 5.1, Oxidising substances
- Class 5.2, Organic peroxides
- Class 6.1, Toxic substances
- Class 6.2, Infectious substances
- Class 8, Corrosive substances

And are incompatible with food and food packaging in any quantity.

Marine Transport (IMO/IMDG):
Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.
UN No.: 3082
Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains Bisphenol A Epoxy resin and Phenol, polymer with formaldehyde, glycidyl ether)
DG Class: 9
Packaging Group: III
EMS No.: F-A, S-F
IMDG Marine Pollutant: Yes

Air Transport (ICAO/IATA):
Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.
UN No.: 3082
Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (Contains Bisphenol A Epoxy resin and Phenol, polymer with formaldehyde, glycidyl ether)
DG Class: 9
Packaging Group: III
Label: Miscellaneous
Packing Instruction: 914 (For passenger and cargo aircraft)
Packing Instruction: 914 (For cargo aircraft only)

U.N. Number	3082
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. - (Contains Bisphenol A Epoxy resin and Phenol, polymer with formaldehyde, glycidyl ether)
DG Class	9
Hazchem Code	•3Z
Packing Group	III

EPG Number	9C1
IERG Number	47
IMDG Marine Pollutant (MP)	This product is classified as a MARINE POLLUTANT according to the International Maritime Dangerous Goods Code (IMDG).

15. REGULATORY INFORMATION

Regulatory Information	Australia: Classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia. Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
Poisons Schedule	S5
National and or International Regulatory Information	New Zealand: Classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001. All components of this product are listed on the New Zealand Inventory of Chemicals (NZIoC) or exempted. Group Standard: Additives, Process Chemicals and Raw Materials (Subsidiary Hazard) Group Standard 2006
HSNO Approval Number	HSR002503
Hazard Category	Irritant,Dangerous for the environment

16. OTHER INFORMATION

Date of preparation or last revision of MSDS	MSDS Reviewed: January 2011 Supersedes: April 2010 Minor Amendment: March 2011
Contact Person/Point	Technical Support: 1800 812 864

...End Of MSDS...