

Infosafe No™ LPXWP	Issue Date : September 2013	ISSUED by PARCHEMN
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Product Name : **FOSROC NITOBOND HAR**

Classified as hazardous

## 1. Identification

<b>GHS Product Identifier</b>	FOSROC NITOBOND HAR
<b>Company Name</b>	Parchem Construction Supplies Pty Ltd (ABN 80 069 961 968)
<b>Address</b>	7 Lucca Road Wyong NSW 2259 Australia
<b>Telephone/Fax Number</b>	Tel: 02 4350 5000 Fax: 02 4351 2024
<b>Emergency phone number</b>	0800 154 666 (available 24/7)
<b>Recommended use of the chemical and restrictions on use</b>	Styrene acrylic polymer for concrete repair mortar
<b>Other Information</b>	Distributed in New Zealand by: Concrete Plus 23 Watts Road Sockburn New Zealand Tel: (03) 343 0090 Fax: (03) 343 0202

This SDS 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.

[www.parchem.co.nz](http://www.parchem.co.nz)

## 2. Hazard Identification

<b>Classification of the substance or mixture</b>	Not classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand. Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2012 Transport of Dangerous Goods on Land.
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## 3. Composition/information on ingredients

<b>Information on Composition</b>	Aqueous dispersion of a polymer based on styrene acrylic ester.		
<b>Ingredients</b>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Ingredients determined not to be hazardous		100 %

## 4. First-aid measures

<b>Inhalation</b>	If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.
<b>Ingestion</b>	Do not induce vomiting. Wash out mouth thoroughly with water. Seek medical attention.
<b>Skin</b>	Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.
<b>Eye contact</b>	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and/or persist seek medical attention.
<b>First Aid Facilities</b>	Eye wash station and normal washroom facilities.

Infosafe No™ LPXWP	Issue Date : September 2013	ISSUED by PARCHEMN
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<b>Advice to Doctor</b>	Treat symptomatically.
<b>Other Information</b>	For advice in an emergency, contact a Poisons Information Centre (New Zealand 0800 POISON / 0800 764 766) or a doctor at once.

## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Use water spray, fog, carbon dioxide, foam or dry chemical
<b>Hazards from Combustion Products</b>	Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including styrene/acrylic monomers, carbon monoxide, carbon dioxide and oxides of nitrogen.
<b>Specific hazards arising from the chemical</b>	Following evaporation of aqueous component under fire conditions, the non-aqueous component can decompose and/or burn.
<b>Decomposition Temp.</b>	Not available
<b>Precautions in connection with Fire</b>	Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing to prevent exposure to vapours, fumes or products of combustion. Water spray may be used to cool down heat-exposed containers.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	<p>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. As a water based product, if spilt on electrical equipment the product will cause short-circuits. 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 and waste management authorities in accordance with local regulations.</p> <p>Note: The polymer may adhere securely to most surfaces when spilt. It may be scraped off after softening with hot water and removed with a high pressure water jet.</p>
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## 7. Handling and storage

<b>Precautions for Safe Handling</b>	Avoid contact with skin and eyes. Wear overalls, impervious gloves and safety glasses. Use only in well ventilated areas. Avoid breathing vapour or spray mist. Keep containers closed when not in use. Do not empty into drains. Maintain a high level of personal hygiene when using the product, that is, always wash hands after handling, and before eating, drinking, smoking or using the toilet facilities.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in a cool, dry, well ventilated area away from oxidising agents, acids and bases. Protect from freezing. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks.
<b>Corrosiveness</b>	Not corrosive to aluminium.

## 8. Exposure controls/personal protection

<b>Occupational exposure limit values</b>	No exposure standards have been established for this material by the New Zealand Department of Labour. 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>Appropriate engineering controls</b>	Provide sufficient ventilation to keep airborne levels as low as possible. Where natural ventilation is inadequate, and vapours or mists are generated, a local exhaust ventilation system, drawing vapours/mists away from workers' breathing zone, is required.
<b>Respiratory Protection</b>	If engineering controls are not effective in controlling airborne exposure then an approved respirator with a particulate/mist filter should be used. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716,

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<b>Eye Protection</b>	Respiratory Protective Devices, in order to make any necessary changes for individual circumstances. 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 gloves of impervious material such as laminated film, nitrile or neoprene. 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. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

## 9. Physical and chemical properties

<b>Appearance</b>	Milky white liquid.
<b>Colour</b>	Milky white
<b>Odour</b>	Faintly aromatic
<b>Decomposition Temperature</b>	Not available
<b>Melting Point</b>	Not available
<b>Boiling Point</b>	100°C (approximate) (water)
<b>Solubility in Water</b>	Completely miscible
<b>Specific Gravity</b>	1.03 (at 23°C)
<b>pH</b>	7.5 - 9.0
<b>Vapour Pressure</b>	2.3 kPa (at 20°C)
<b>Vapour Density (Air=1)</b>	Not available
<b>Evaporation Rate</b>	<1 (n-Butyl acetate=1)
<b>Odour Threshold</b>	Not available
<b>Viscosity</b>	500 - 1200 mPa.s (at 23°C)
<b>Partition Coefficient: n-octanol/water</b>	Not available
<b>Flash Point</b>	Not applicable
<b>Flammability</b>	Non flammable
<b>Auto-Ignition Temperature</b>	Not applicable
<b>Flammable Limits - Lower</b>	Not applicable
<b>Flammable Limits - Upper</b>	Not applicable

## 10. Stability and reactivity

<b>Reactivity</b>	Reacts with incompatible materials.
<b>Chemical Stability</b>	Stable under normal conditions of storage and handling.
<b>Conditions to Avoid</b>	Extremes of temperature and direct sunlight.
<b>Incompatible Materials</b>	Strong oxidising agents, strong acids and bases.
<b>Hazardous Decomposition Products</b>	Thermal decomposition may result in the release of toxic and/or irritating fumes and gases including styrene/acrylic monomers, carbon monoxide, carbon dioxide and oxides of nitrogen.

Infosafe No™ LPXWP	Issue Date : September 2013	ISSUED by PARCHEMN
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**Hazardous Polymerization** Will not occur.

## 11. Toxicological Information

<b>Toxicology Information</b>	Acute toxicity data for product is given below
<b>Acute Toxicity - Oral</b>	LD50 (rat): >2,000 mg/kg
<b>Ingestion</b>	Ingestion of this product may irritate the gastric tract, causing nausea and vomiting.
<b>Inhalation</b>	Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.
<b>Skin</b>	Repeated or prolonged exposure may be irritating to skin.
<b>Eye</b>	May be irritating to eyes. May cause stinging, redness and tearing of the eyes.
<b>Respiratory sensitisation</b>	Not expected to be a respiratory sensitiser.
<b>Skin Sensitisation</b>	Not expected to be a skin sensitiser.
<b>Germ cell mutagenicity</b>	Not considered to be a mutagenic hazard.
<b>Carcinogenicity</b>	Not considered to be a carcinogenic hazard.
<b>Reproductive Toxicity</b>	Not considered to be toxic to reproduction.
<b>STOT-single exposure</b>	Not expected to cause toxicity to a specific target organ.
<b>STOT-repeated exposure</b>	Not expected to cause toxicity to a specific target organ.
<b>Aspiration Hazard</b>	Not expected to be an aspiration hazard.

## 12. Ecological information

<b>Ecotoxicity</b>	The available ecological data is given below
<b>Persistence and degradability</b>	>70% DOC reduction. The product can be virtually eliminated from water by abiotic processes, e.g. adsorption onto activated sludge. Inhibition of degradation activity in activated sludge is not to be anticipated during introduction of appropriate low concentrations.
<b>Mobility</b>	Not available
<b>Bioaccumulative Potential</b>	The polymeric portion is not bio-available because of the structural properties. Bioaccumulation is not expected.
<b>Environmental Protection</b>	Do not discharge the product into drains, waterways or sewers.
<b>Acute Toxicity - Fish</b>	LC50 (Brachydanio rerio): >100 mg/l/96h (OECD 203, static)
<b>Acute Toxicity - Daphnia</b>	EC50 (Daphnia magna): >100 mg/L/48h (OECD 202, part 1 static)

## 13. Disposal considerations

<b>Disposal Considerations</b>	<p><b>Product Disposal:</b> This product can be disposed through a licensed commercial waste collection service. This product is non-hazardous and therefore the New Zealand HSNO regulations regarding disposal do not apply, however other regulations may apply.</p> <p><b>Container Disposal:</b> The product is non-hazardous, therefore, the packaging may be re-used or recycled if it has been treated to remove any residual contents of the substance. Any wash-off water from the container cleaning process should be sent to a suitable waste water treatment plant before discharge into the environment. In New Zealand, the packaging (that may or may not contain any residual substance) that is lawfully disposed of by householders or other consumers</p>
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through a public or commercial waste collection service is a means of compliance with regulations.

**14. Transport information**

**Transport Information** Road and Rail Transport:  
Not classified as Dangerous Goods for transport according to the NZS 5433:2012 Transport of Dangerous Goods on Land.

Marine Transport (IMO/IMDG):  
Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport (ICAO/IATA):  
Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.  
No

**IMDG Marine pollutant****15. Regulatory information**

**National and or International Regulatory Information** New Zealand:  
Not classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

**16. Other Information**

**Date of preparation or last revision of SDS** SDS Reviewed: September 2013  
Supersedes: November 2008

**Literature References** Workplace Exposure Standards and Biological Exposure Indices , Department of Labour, Health & Safety.  
Transport of Dangerous goods on land NZS 5433.  
Preparation of Safety Data Sheets - Approved Code of Practice Under the HSNO Act 1996 (HSNO CoP 8-1 09-06).  
Assigning a hazardous substance to a group standard.  
American Conference of Industrial Hygienists (ACGIH).

**Contact Person/Point** Technical Support: 1800 812 864

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