

Infosafe No™ LPTA1	Issue Date : March 2014	ISSUED by PARCHEMD
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Product Name : **FOSROC DUCTSEAL WB**

Classified as hazardous

1. Identification

GHS Product Identifier	FOSROC DUCTSEAL WB
Company Name	Parchem Construction Supplies Pty Ltd (ABN ABN 80 069 961)
Address	7 Lucca Road Wyong NSW 2259 Australia
Telephone/Fax Number	Tel: 02 4350 5000 Fax: 02 4351 2024
Emergency phone number	Australia 1800 638 556 and New Zealand 0800 154 666 (both available 24/7)
Recommended use of the chemical and restrictions on use	A flexible, acrylic sealant for use in metal ductwork.
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. Hazard Identification

Classification of the substance or mixture	Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia. Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)
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Classification:

Toxic to Reproduction: additional
H362 May cause harm to breast-fed children.

Hazard Statement (s)

General Precautionary Statement (s)	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P103 Read label before use.
Pictogram (s)	Environment



Precautionary statement – Prevention

P201 Obtain special instructions before use.
P260 Do not breathe mist/vapours/spray.
P263 Avoid contact during pregnancy/while nursing.
P264 Wash skin thoroughly after handling.

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Precautionary statement – Response
Precautionary statement – Disposal
Supplemental information

P270 Do not eat, drink or smoke when using this product.
 P273 Avoid release to the environment.
 P308+P313 IF exposed or concerned: Get medical advice/attention.
 P391 Collect spillage.
 P501 Dispose of contents/container to an approved waste disposal plant.

The information under this heading is not mandatory under WHS Regulations. It is provided as information on other GHS hazard classes and categories and/or environmental hazards that are outside the scope of the WHS Regulations.

H411 Toxic to aquatic life with long lasting effects.

3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	Naphtha (petroleum), hydrodesulfurized heavy Chlorinated paraffin	64742-82-1	<10 %
	Poly(oxy-1,2-ethanediyl), .alpha.- (nonylphenyl)-.omega.-hydroxy-	85535-84-8	<10 %
	Ethylene glycol	9016-45-9	<1 %
	Metaphosphoric acid, hexasodium salt	107-21-1	<1 %
	Pine oil	10124-56-8	<1 %
	Styrene	8002-09-3	<1 %
	Ingredients determined not to be hazardous	100-42-5	<0.1 %
			To 100%

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 symptoms develop seek medical attention.
Eye contact	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and persist seek medical attention.
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 11 26; New Zealand 0800 764 766) or a doctor at once.

5. Fire-fighting measures

Suitable extinguishing media	Use carbon dioxide, dry chemical or foam. Alcohol resistant foam is preferred. If not available normal foam can be used.
Unsuitable Extinguishing Media	Do not use water jet.
Hazards from Combustion Products	Under fire conditions this product may emit toxic and/or irritating fumes and gases including carbon monoxide, carbon dioxide and chlorinated hydrocarbons.
Specific hazards arising from the chemical	The product is not combustible, but under fire conditions, the non-aqueous components may decompose and/or burn after the water component evaporates.
Hazchem Code	•3Z
Decomposition Temp.	Not available
Precautions in connection with Fire	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

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containers. Fight fire from safe location. This product should be prevented from entering drains and watercourses.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Wear appropriate personal protective equipment and clothing to minimise exposure. Increase ventilation. If possible contain the spill. Place inert absorbent material onto spillage. Collect the material and place into a suitable labelled container. Do not dilute material but contain. 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.

7. Handling and storage

Precautions for Safe Handling Avoid exposure. Do not handle until all safety precautions have been read and understood. It is recommended that pregnant or breastfeeding women should not handle this product unless adequate exposure protection can be assured at all times. Female personnel planning pregnancy should be made aware of the potential risks.
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. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.

Conditions for safe storage, including any incompatibilities Store in a cool, dry, well-ventilated area, out of direct sunlight. Store in suitable, labelled containers. Keep containers closed when not in use. Ensure that storage conditions comply with applicable local and national regulations.

8. Exposure controls/personal protection

Occupational exposure limit values No exposure value assigned for this material by Safe Work, Australia. However, the available exposure limits for ingredients are listed below:

Safe Work, Australia Exposure Standards:

Substance	TWA		STEL		NOTICES
	ppm	mg/m ³	ppm	mg/m ³	
Styrene	50	213	100	426	-

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

Biological Limit Values Biological Exposure Indice (BEI) from American Conference of Industrial Hygienists (ACGIH) for ingredients are as follows:

Determinant	Sampling Time	Biological Exposure Indice (BEI)
STYRENE [100-42-5]		
Mandelic acid plus phenylglyoxylic acid in urine	End of shift	400mg/g creatinine
Styrene in venous blood	End of shift	0.2mg/L

Appropriate engineering controls 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 local exhaust ventilation system is required.

Respiratory Protection If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable mist 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 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.

Hand Protection Wear gloves of impervious material, such as laminated film. Final choice of appropriate gloves will vary according to individual circumstances i.e.

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Body Protection 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.
Suitable protective work wear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

9. Physical and chemical properties

Appearance	Pigmented paste
Colour	Not available
Odour	Slight pine odour
Decomposition Temperature	Not available
Melting Point	Not available
Boiling Point	100°C (initial)
Solubility in Water	Miscible with water
Specific Gravity	1.48 at 23°C
pH	Not available
Vapour Pressure	Not available
Vapour Density (Air=1)	>1
Evaporation Rate	<1 (Butyl acetate=1)
Odour Threshold	Not available
Viscosity	Not available
Partition Coefficient: n-octanol/water	Not available
Flash Point	Not applicable
Flammability	Non-combustible
Auto-Ignition Temperature	Not available
Flammable Limits - Lower	Not applicable
Flammable Limits - Upper	Not applicable

10. Stability and reactivity

Reactivity	Reacts with incompatible materials.
Chemical Stability	Stable under normal conditions of storage and handling.
Conditions to Avoid	Extremes of temperature and direct sunlight.
Incompatible Materials	Oxidising agents.
Hazardous Decomposition Products	Thermal decomposition may result in the release of toxic and/or irritating fumes, smoke and gases including carbon dioxide, carbon monoxide and chlorinated hydrocarbons.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Toxicology Information	No toxicity data are available for this specific product.
Ingestion	Ingestion of this product may irritate the gastric tract causing nausea and vomiting. Ingestion of large quantities may depress the central nervous system.

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Inhalation	Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.
Skin	May be irritating to skin. The symptoms may include redness, itching and swelling. Reddening and defatting of the skin may result. Prolonged or repeated skin contact may lead to skin dryness and dermatitis.
Eye	May be irritating to eyes. The symptoms may include redness, itching and tearing.
Respiratory sensitisation	Not expected to be a respiratory sensitiser.
Skin Sensitisation	Not expected to be a skin sensitiser.
Germ cell mutagenicity	Not considered to be a mutagenic hazard.
Carcinogenicity	Styrene is listed as a Group 2B: Possibly carcinogenic to humans according to International Agency for Research on Cancer (IARC). The chlorinated paraffins are classified as Carcinogen Group 2B according to International Agency for Research on Cancer (IARC). Group 2B: The agent (mixture) is possibly carcinogenic to humans. The evaluation by IARC found that: There is sufficient evidence for the carcinogenicity of a commercial chlorinated paraffin product of average carbon-chain length C12 and average degree of chlorination 60% in experimental animals. There is limited evidence for the carcinogenicity of a commercial chlorinated paraffin product of average carbon-chain length C23 and average degree of chlorination 43% in experimental animals.
Reproductive Toxicity	May cause harm to breast-fed children. Classified as a substance that produces toxic human reproductive or developmental effects on or via lactation.
STOT-single exposure	Not expected to cause toxicity to a specific target organ.
STOT-repeated exposure	Not expected to cause toxicity to a specific target organ through repeated or prolonged exposure.
Aspiration Hazard	Not expected to be an aspiration hazard.

12. Ecological information

Ecotoxicity	Toxic to aquatic life with long lasting effects.
Persistence and degradability	Not available
Mobility	Not available
Bioaccumulative Potential	Not available
Environmental 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.
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14. Transport information

Transport Information	<p>Road and Rail Transport:</p> <p>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).</p> <p>Class 9 Dangerous Goods are incompatible in a placard load with any of the following:</p> <ul style="list-style-type: none"> - 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). <p>Note: Special Provision AU01</p>
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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:

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

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 Chlorinated paraffin) MARINE POLLUTANT
DG Class: 9
Packaging Group: III
EMS No.: F-A, S-F
Special provisions: 274, 335

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 Chlorinated paraffin)
Class: 9
Packing Group: III
Label: Miscellaneous
Packing Instruction: 964 (For passenger and cargo aircraft)
Packing Instruction: 964 (For cargo aircraft only)
Special provisions: A97, A158
3082

U.N. Number

UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. - (Contains Chlorinated paraffin)
Transport hazard class(es) 9
Hazchem Code •3Z
Packing Group III
EPG Number 9C1
IERG Number 47
IMDG Marine pollutant Yes

15. Regulatory information

Regulatory Information Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, 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 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 5433:2012 Transport of Dangerous Goods on Land.
All listed components of this product are listed on the New Zealand Inventory of Chemicals (NZIoC) or exempted.

Group Standard: Construction Products (Subsidiary Hazard) Group Standard 2006
HSNO Approval Number: HSR002544

HSNO Classification:
6.8C - Substance that produces toxic human reproductive or developmental effects on or via lactation

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AICS (Australia) 9.1B - Substance that is ecotoxic in the aquatic environment
All components of this product are listed on the Australian Inventory of Chemical Substances (AICS) or exempted.

16. Other Information

Date of preparation or last revision of SDS SDS Reviewed: March 2014
Supersedes: September 2009, September 2013

Literature References

Australia (GHS):
Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.
Standard for the Uniform Scheduling of Medicines and Poisons.
Australian Code for the Transport of Dangerous Goods by Road & Rail.
Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
Workplace exposure standards for airborne contaminants, Safe work Australia.
American Conference of Industrial Hygienists (ACGIH).
Globally Harmonised System of classification and labelling of chemicals.

New Zealand:
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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