

Infosafe No™ LQ370	Issue Date : April 2014	ISSUED by PARCHEMC
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Product Name : **FOSROC POLYUREA WCS GUN GRADE PART B**

Classified as hazardous

1. Identification

GHS Product Identifier	FOSROC POLYUREA WCS GUN GRADE PART B
Company Name	Parchem Construction Supplies Pty Ltd (ABN 80 069 961 968)
Address	7 Lucca Road Wyong NSW 2259 Australia
Telephone/Fax Number	Tel: 02 4350 5000 Fax: 02 4351 2024
Emergency phone number	1800 638 556 (available 24/7)
Recommended use of the chemical and restrictions on use	Hardener component of two-part protective coating.
Other Information	<p>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.</p> <p>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.</p> <p>www.parchem.com.au</p>

2. Hazard Identification

Classification of the substance or mixture	<p>Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.</p> <p>Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)</p>
Signal Word (s)	<p>Acute Toxicity - Oral: Category 4 Eye Damage/Irritation: Category 1 Skin Corrosion/Irritation: Category 1 STOT Repeated Exposure Category 2 Danger</p>
Hazard Statement (s)	<p>H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H373 May cause damage to organs through prolonged or repeated exposure.</p>
Pictogram (s)	Corrosion, Exclamation mark, Health hazard



Precautionary statement – Prevention	<p>P260 Do not breathe dust/fume/gas/mist/vapours/spray. P264 Wash skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves/protective clothing/eye protection/face protection.</p>
Precautionary statement – Response	<p>P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P304+P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all</p>

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Precautionary statement – Storage

Precautionary statement – Disposal

Supplemental information

contaminated clothing. Rinse skin with water/shower.
P310 Immediately call a POISON CENTER or doctor/physician.
P363 Wash contaminated clothing before reuse.
P405 Store locked up.
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

Chemical Characterization Ingredients	Name	CAS	Proportion
	Liquid		
	Polyoxypropylenediamine	9046-10-0	30-60 %
	Benzenamine, 4,4'-methylenebis[N-(1-methylpropyl)-Dipropylene glycol dibenzoate	5285-60-9	10-30 %
	Dipropylene glycol dibenzoate	27138-31-4	10-30 %
	Benzenediamine, ar, ar-di ethyl-ar-methyl	68479-98-1	5-10 %

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. Wash out mouth thoroughly with water. Seek immediate medical attention.
Skin	Remove all contaminated clothing immediately. Wash gently and thoroughly with water and non-abrasive soap for 15 minutes. Ensure contaminated clothing is washed before re-use or discard. Seek immediate medical attention.
Eye contact	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. 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	Eyewash, 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 131 126) or a doctor at once.

5. Fire-fighting measures

Suitable extinguishing media	Carbon dioxide, dry chemical, alcohol-resistant foam, water fog or water mist.
Unsuitable Extinguishing Media	Do not use water jet.
Hazards from Combustion Products	Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide, carbon dioxide, oxides of nitrogen.
Specific hazards arising from the chemical	Combustible liquid. This product will burn if exposed to fire.
Hazchem Code	2X
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 containers. Fight fire from safe location. This product should be prevented from entering drains and watercourses.

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6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Remove all sources of ignition. Evacuate all unprotected personnel. Do not allow contact with skin and eyes. Do not breathe mist/vapour. It is essential to wear self-contained breathing apparatus (S.C.B.A) and full personal protective equipment and clothing to prevent exposure. Avoid exposure to spillage by collecting the material using explosion proof vacuum and transfer into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to 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.
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7. Handling and storage

Precautions for Safe Handling	Corrosive and combustible liquid. Attacks skin and eyes. May produce severe burns. Wear suitable protective clothing, gloves and eye/face protection when mixing and using. Use in designated areas with adequate ventilation. Avoid breathing in vapours, mist or fumes. Keep containers closed when not in use. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands after handling, and before eating, drinking, smoking or using the toilet facilities. Do not use near ignition sources. Do not pressurise, cut, heat or weld containers as they may contain hazardous. Prevent the build up of mists or vapours in the work atmosphere. Keep containers sealed when not in use.
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Conditions for safe storage, including any incompatibilities	Corrosive and combustible liquid for storage and handling purposes. Keep tightly closed in a dry, cool, well-ventilated area, out of direct sunlight. Provide a catch-tank in a bunded area. Avoid sparks, flames and other ignition sources. Store away from incompatible materials. Do NOT pressurise, cut, heat or weld containers as they may contain hazardous residues. 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 store-room reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids and AS 3780-2008 The storage and handling of corrosive substances. Reference should also be made to all Local, State and Federal regulations.
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8. Exposure controls/personal protection

Occupational exposure limit values	No exposure standards have been established for the mixture. 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.
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Biological Limit Values	No biological limits allocated.
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Appropriate engineering controls	This substance is hazardous and should be used with a local exhaust ventilation system, drawing vapours away from workers' breathing zone. A flame-proof exhaust ventilation system is required. If the engineering controls are not sufficient to maintain concentrations of vapours/mists below the exposure standards, suitable respiratory protection must be worn. Refer to relevant regulations for further information concerning ventilation requirements.
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Respiratory Protection	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.
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Eye Protection	Safety glasses with side shields, goggles or full-face shield as appropriate should be used. 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.
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Hand Protection	Wear gloves of impervious material such as butyl rubber. 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 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

Form	Liquid
Appearance	Various coloured liquid
Colour	Various coloured
Odour	Amine
Decomposition Temperature	Not available
Melting Point	Not available
Boiling Point	Not available
Solubility in Water	Immiscible with water
Specific Gravity	1.00 - 1.04 (20°C)
pH	Not available
Vapour Pressure	Not available
Vapour Density (Air=1)	Not available
Evaporation Rate	Not available
Odour Threshold	Not available
Viscosity	600 - 1000mPas (25°C)
Partition Coefficient: n-octanol/water	Not available
Flash Point	Not available
Flammability	Not flammable
Auto-Ignition Temperature	Not available
Flammable Limits - Lower	Not available
Flammable Limits - Upper	Not available

10. Stability and reactivity

Reactivity	Reacts with incompatibles
Chemical Stability	Stable under normal conditions of storage and handling.
Conditions to Avoid	Heat, flames and other sources of ignition.
Incompatible Materials	Strong oxidizing agents. Acids. Reducing agents.
Hazardous Decomposition Products	Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide, carbon dioxide, oxides of nitrogen.
Possibility of hazardous reactions	Reacts with acids, oxidising agents, reducing agents.

11. Toxicological Information

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Toxicology Information	The available toxicity data for material given below.
Acute Toxicity - Oral	Benzenediamine, ar, ar-diethyl-ar-methyl [68479-98-1] LD50 (rat): 738mg/kg Polyoxypropylenediamine [9046-10-0] LD50 (rat): 475mg/kg Dipropylene glycol dibenzoate [27138-31-4] LD50 (rat): >2500mg/kg Benzenamine, 4,4'-methylenebis[N-(1-methylpropyl)- [5285-60-9] LD50 (rat): 1380mg/kg
Acute Toxicity - Dermal	Benzenediamine, ar, ar-diethyl-ar-methyl [68479-98-1] LD50 (rat): >2000mg/kg Polyoxypropylenediamine [9046-10-0] LD50 (rabbit): 2090mg/kg Dipropylene glycol dibenzoate [27138-31-4] LD50 (rabbit): >2000mg/kg Benzenamine, 4,4'-methylenebis[N-(1-methylpropyl)- [5285-60-9] LD50 (rabbit): 3090mg/kg
Acute Toxicity - Inhalation	Dipropylene glycol dibenzoate [27138-31-4] LC50 (rat); >200mg/l/4h (vapour)
Ingestion	Harmful if swallowed. Ingestion of this product will cause nausea, vomiting, abdominal pain and chemical burns to the mouth, throat and stomach.
Inhalation	Inhalation of mist or vapour will result in respiratory irritation and possible harmful corrosive effects including burns, lesions of the nasal septum, pulmonary edema, and scarring of tissue.
Skin	Causes burns. Corrosive to the skin. Skin contact can cause redness, itching, irritation, severe pain and chemical burns with resultant tissue destruction.
Eye	Causes serious eye damage. Eye contact will cause stinging, blurring, tearing, severe pain and possible burns, necrosis, permanent damage and blindness.
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	Not considered to be a carcinogenic hazard.
Reproductive Toxicity	Not considered to be toxic to reproduction.
STOT-single exposure	Not expected to cause toxicity to a specific target organ.
STOT-repeated exposure	May cause damage to organs through prolonged or repeated 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	The product is insoluble in water.
Bioaccumulative Potential	Dipropylene glycol dibenzoate [27138-31-4] Partition coefficient 3.9
Other Adverse Effects	Not available
Environmental Protection	Do not discharge this material into waterways, drains and sewers.
Acute Toxicity - Fish	Benzenediamine, ar, ar-diethyl-ar-methyl [68479-98-1] LC50 (Golden orfe (Leuciscus idus)): 194mg/l/48h Polyoxypropylenediamine [9046-10-0] LC50 (fish): >100mg/l/96h Dipropylene glycol dibenzoate [27138-31-4] LC50 (Pimephales promelas (Fat-head Minnow)): 3.7mg/l/96h

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Acute Toxicity - Daphnia	Benzenediamine, ar, ar-diethyl-ar-methyl [68479-98-1] EC50 (daphnia): <1mg/l/48h
	Polyoxypropylenediamine [9046-10-0] EC50 (daphnia): 15mg/l/48h
Acute Toxicity - Algae	Dipropylene glycol dibenzoate [27138-31-4] EC50 (daphnia): 19.3mg/l/48h
	Polyoxypropylenediamine [9046-10-0] IC50 (alga): 135mg/l/72h
	Dipropylene glycol dibenzoate [27138-31-4] IC50 (alga): 15mg/l/72h

13. Disposal considerations

Disposal Considerations	Dispose of waste according to applicable local and national regulations. 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 (Australia): This material is classified as Dangerous Goods Class 8 Corrosive Substances according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition). Class 8 Dangerous Goods are incompatible in a placard load with any of the following: - Class 1, Explosives - Division 4.3, Dangerous When Wet Substances - Division 5.1, Oxidising substances - Division 5.2, Organic Peroxides - Class 6, Toxic or Infectious Substances, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids - Class 7, Radioactive Substances and are incompatible with food and food packaging in any quantity. Strong acids must not be loaded in the same freight container or on the same vehicle with strong alkalis. Packing Group I and II acids and alkalis should be considered as strong.</p> <p>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.: 2735 Proper Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. (Contains Polyoxypropylenediamine) (Dipropylene glycol dibenzoate) MARINE POLLUTANT Class: 8 Packaging Group: III EMS No.: F-A, S-B Special Provision(s): 223 274</p> <p>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.: 2735 Proper Shipping Name: Amines, liquid, corrosive, n.o.s. (Contains Polyoxypropylenediamine) Class: 8 Packaging Group: III Hazard Label: Corrosive Packaging Instructions (passenger & cargo): 852 Packaging Instructions (cargo only): 856 Special Provision(s): A3 A803 2735</p> <p>U.N. Number</p> <p>UN proper shipping name</p>
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Transport hazard class(es)	8
Hazchem Code	2X
Packing Group	III
EPG Number	8A1
IERG Number	36
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
Poisons Schedule	Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP). S5
AICS (Australia)	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 created: April 2014
Literature References	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.
Contact Person/Point	Technical Support: 1800 812 864 ...End Of MSDS...

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