

Infosafe No™ LQ369 Issue Date : April 2014 ISSUED by PARCHEMN

Product Name : FOSROC DEKGUARD CLEAR

Classified as hazardous

1. Identification

GHS Product Identifier FOSROC DEKGUARD CLEAR

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 0800 154 666 (available 24/7)

Recommended use of the chemical and restrictions on use An acrylic coating system for protection and enhancement of concrete structures.

Other Information 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

2. Hazard Identification

Classification of the substance or mixture 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.

HSNO Classification:

3.1C - Flammable liquids: medium hazard
6.1D (Dermal) - Substance that is acutely toxic
6.1D (Oral) - Substance that is acutely toxic
6.1E (Inhalation - vapours, dusts or mists) - Substance that is acutely toxic
6.3A - Substance that is irritating to the skin
6.4A - Substance that is irritating to the eyes
6.7B - Substance that is a suspected human carcinogen
6.8B - Substance that is suspected to be a human reproductive or developmental toxicant
6.9B (Repeated exposure) - Substance that is harmful to human target organs or systems
9.1D - Substance that is slightly harmful to the aquatic environment or is otherwise designed for biocidal action
9.3C - Substance that is harmful to terrestrial vertebrates

Signal Word (s)

Warning

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Hazard Statement (s)
 H226 Flammable liquid and vapour.
 H302 Harmful if swallowed.
 H312 Harmful in contact with skin.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H333 May be harmful if inhaled.
 H351 Suspected of causing cancer.
 H361 Suspected of damaging fertility or the unborn child.
 H373 May cause damage to organs through prolonged or repeated exposure by ingestion or inhalation.
 H402 Harmful to aquatic life.
 H433 Harmful to terrestrial vertebrates.

Pictogram (s)
 Exclamation mark, Flame, Health hazard



Precautionary statement – Prevention
 P102 Keep out of reach of children.
 P103 Read label before use.
 P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
 P233 Keep container tightly closed.
 P240 Ground/bond container and receiving equipment.
 P241 Use explosion-proof electrical/ventilating/lighting equipment.
 P242 Use only non-sparking tools.
 P243 Take precautionary measures against static discharge.
 P260 Do not breathe mist/vapours/spray.
 P264 Wash skin thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P281 Use personal protective equipment as required.

Precautionary statement – Response
 GENERAL
 P101 If medical advice is needed, have product container or label at hand.
 -This statement applies only where the substance is available to the general public.
 P314 Get medical advice/attention if you feel unwell.
 P308+P313 IF exposed or concerned: Get medical advice/ attention.
 INHALATION
 P304+P312 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
 INGESTION
 P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
 P330 Rinse mouth.
 P331 Do NOT induce vomiting.
 SKIN
 P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P312 Call a POISON CENTER or doctor/physician if you feel unwell.
 P332+P313 If skin irritation occurs: Get medical advice/ attention.
 P362 Take off contaminated clothing and wash before re-use.
 EYE
 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.
 OTHER
 P370+P378 In case of fire: Use carbon dioxide, dry chemical or foam for extinction.

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Precautionary statement – Storage	P405 Store locked up. P403+P235 Store in a well-ventilated place. Keep cool.
Precautionary statement – Disposal	P501 In the case of a substance that is in compliance with a HSN0 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.

3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	Xylene	1330-20-7	60-100 %
	Ethylbenzene	100-41-4	10-<30 %
	Ingredients determined not to be hazardous.		Balance

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 medical attention.
Skin	Remove all contaminated clothing immediately. Wash affected area thoroughly with soap and water. Wash contaminated clothing before reuse or discard. Seek medical attention.
Eye contact	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. Seek 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 or a doctor at once. (0800 764 766)

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, smoke and gases including carbon monoxide and carbon dioxide.
Specific hazards arising from the chemical	Flammable liquid and vapour. Vapour/air mixtures may ignite explosively. Flashback along the vapour trail may occur. Runoff to sewer may create fire or explosion hazard.
Hazchem Code	•3Y
Decomposition Temp.	Not available
Precautions in connection with Fire	Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. In case of fire the product may be violently or explosively reactive. Use water spray to disperse vapours. 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 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
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water and waste management authorities in accordance with local regulations.

7. Handling and storage

Precautions for Safe Handling Avoid contact with skin and eyes. Wear overalls, impervious gloves and safety glasses. Use in designated areas with local exhaust ventilation, away from sparks, flames and other ignition sources. Use approved flammable liquid storage containers in the work area. Prevent release of vapours and mists into workplace air. Keep containers tightly closed. Take precautionary measures against static discharges. Do not empty into drains. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands before eating, drinking, smoking or using the toilet facilities.

Conditions for safe storage, including any incompatibilities Store in a cool, dry, well-ventilated area away from sources of ignition, oxidising agents, strong acids, foodstuffs, and clothing. Keep containers closed when not in use, 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. Ensure that storage conditions comply with applicable local and national regulations. 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.

8. Exposure controls/personal protection

Occupational exposure limit values No exposure value assigned for this material by Occupational Safety and Health Service (OSH) of the New Zealand Department of Labour. However, the available exposure limits for ingredients are listed below:

New Zealand Occupational Safety and Health Service (OSH) Workplace Exposure Standards:

Substance	TWA		STEL		NOTICES
	ppm	mg/m ³	ppm	mg/m ³	
Ethylbenzene	100	434	125	543	-
Xylene	50	217	-	-	-

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 Indices (BEI) from American Conference of Industrial Hygienists (ACGIH) for ingredients are as follows:

Determinant Indices (BEI)	Sampling Time	Biological Exposure
XYLENES [1330-20-7) Methylhippuric acids in urine	End of shift	1.5 g/g creatinine
ETHYL BENZENE [100-41-4] Sum of mandelic acid and phenylglyoxylic acid in urine	End of shift at end of workweek	0.7 g/g creatinine

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. Refer to AS 1940 - The storage and handling of flammable and combustible liquids and AS/NZS 60079.10.1:2009 Explosive atmospheres - Classification of areas - Explosive gas atmospheres, for further information

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Respiratory Protection	concerning ventilation requirements. If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapor/ mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements. Reference should be made to Australian 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, chemical goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations. Eye protection 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, nitrile, neoprene. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations. 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.

9. Physical and chemical properties

Appearance	Clear, viscous liquid.
Colour	Not available
Odour	Aromatic solvent
Decomposition Temperature	Not available
Melting Point	Not available
Boiling Point	138-141°C (for Xylene)
Solubility in Water	Insoluble
Solubility in Organic Solvents	Soluble in most organic solvents.
Specific Gravity	0.91 (23°C)
pH	Not available
Vapour Pressure	5.2 kPa at 38°C (for Xylene)
Vapour Density (Air=1)	3.7 (for Xylene)
Evaporation Rate	0.70 (n-Butyl acetate=1) (for Xylene)
Odour Threshold	Not available
Viscosity	Not available
Partition Coefficient: n-octanol/water	Not available
Flash Point	26°C (PMCC) (for Xylene)
Flammability	Flammable liquid
Auto-Ignition Temperature	Not available
Flammable Limits - Lower	1.1%
Flammable Limits - Upper	7.7%

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10. Stability and reactivity

Reactivity	Refer to Sec 10: Possibility of hazardous reactions
Reactivity and Stability	Stable under normal conditions of storage and handling.
Conditions to Avoid	Heat, open flames and other sources of ignition.
Incompatible Materials	Strong oxidising agents.
Hazardous Decomposition Products	Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide and carbon dioxide.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Toxicology Information	No toxicity data available for this material. The available acute toxicity data for the ingredients are given below.
Acute Toxicity - Oral	Xylene: LD50 (Rat): 4,300 mg/kg
Acute Toxicity - Dermal	Xylene: LD50 (Rabbit): 4,500 mg/kg
Acute Toxicity - Inhalation	Xylene: LC50 (Rat): 5,000 ppm/4h
Ingestion	Harmful if swallowed. Ingestion may cause nausea, vomiting and CNS depression with symptoms including drowsiness, dizziness, weakness, fatigue, headache, confusion and possible unconsciousness. Subsequent to ingestion or vomiting, small amounts of liquid aspirated into the respiratory system may cause severe pulmonary injury that may lead to death.
Inhalation	May be harmful if inhaled. Inhalation of product vapours can cause irritation of the nose, throat and respiratory system.
Skin	Harmful in contact with skin. Causes skin irritation. Skin contact will cause redness, itching and swelling. Repeated exposure may cause skin dryness and cracking and may lead to dermatitis.
Eye	Causes serious eye irritation. On eye contact this product will cause tearing, stinging, blurred vision, and redness.
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	Suspected of causing cancer. Classified as a suspected human carcinogen. Xylene is listed as a Group 3 Carcinogen: Not classifiable as to carcinogenicity to humans according to International Agency for Research on Cancer (IARC). Ethylbenzene is listed as a Group 2B: Possibly carcinogenic to humans according to International Agency for Research on Cancer (IARC). Suspected of damaging fertility or the unborn child. Classified as a suspected human reproductive or developmental toxicant.
Reproductive Toxicity	Suspected of damaging fertility or the unborn child. Classified as a suspected human reproductive or developmental toxicant.
STOT-single exposure	Not expected to cause toxicity to a specific target organ.
STOT-repeated exposure	May cause damage to organs through prolonged exposure by inhalation or ingestion.
Aspiration Hazard	Not expected to be an aspiration hazard.

12. Ecological information

Ecotoxicity	Harmful to aquatic life. Harmful to terrestrial vertebrates.
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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	<p>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. In this specific case the product is a solvent-based, flammable substance and therefore can be sent to an approved high temperature incineration plant for disposal. Large volumes may be re-distilled by solvent recovery contractors. 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.</p> <p>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 EPA New Zealand website under specific group standards.</p> <p>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.</p>
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14. Transport information

Transport Information	<p>Road and Rail: This material is classified as Dangerous Goods Class 3 - Flammable Liquid according to NZS 5433:2012 Transport of Dangerous Goods on Land. Must not be loaded in the same freight container or on the same vehicle with:</p> <ul style="list-style-type: none">- Class 1, Explosives- Division 2.1, Flammable gases- Division 2.3, Toxic gases- Division 4.2, Spontaneously combustible substances- Division 5.1, Oxidising substances- Division 5.2, Organic peroxides or- Class 7, Radioactive materials unless specifically exempted. <p>Must not be loaded with in the same freight container; and on the same vehicle must be separated horizontally by at least 3 metres unless all but one are packed in separate freight containers with:</p> <ul style="list-style-type: none">- Division 4.3, Dangerous when wet substances <p>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:</p> <ul style="list-style-type: none">- Division 4.2, Spontaneously combustible substances- Division 4.3, Dangerous when wet substances- Division 5.1, Oxidising substances- Division 5.2, Organic peroxides
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Marine Transport (IMO/IMDG):
Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.
Class/Division: 3
UN No: 1866
Proper Shipping Name: RESIN SOLUTION
Packing Group: III
EMS : F-E,S-E
Special Provisions: 223 955

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.
Class/Division: 3
UN No: 1866
Proper Shipping Name: Resin solution
Packing Group: III
Packaging Instructions (cargo only): 366
Packaging Instructions (passenger & cargo): 355
Hazard Label: Flammable liquid
Special Provisions: A3
1866

U.N. Number 1866
UN proper shipping name RESIN SOLUTION
Transport hazard class(es) 3
Hazchem Code •3Y
Packing Group III
EPG Number 3A1
IERG Number 14
IMDG Marine pollutant No

15. Regulatory information

National and or International Regulatory Information 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:
Surface Coatings and Colourants (Toxic [6.7]) Group Standard 2006

HSNO Approval Number HSR002679

16. Other Information

Date of preparation or last revision of SDS SDS Created: April 2014

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).

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Contact Technical Support: 1800 812 864

Person/Point

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