

Infosafe No™ LPT3P	Issue Date :April 2014	ISSUED by PARCHEMC
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Product Name : **FOSROC DEKGUARD CLEAR**

Classified as hazardous

## 1. Identification

<b>GHS Product Identifier</b>	FOSROC DEKGUARD CLEAR
<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>	1800 638 556 (available 24/7)
<b>Recommended use of the chemical and restrictions on use</b>	An acrylic coating system for protection and enhancement of concrete structures.
<b>Other Information</b>	<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><a href="http://www.parchem.com.au">www.parchem.com.au</a></p>

## 2. Hazard Identification

<b>Classification of the substance or mixture</b>	<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> <p>Classification:            Flammable Liquids: Category 3            Acute Toxicity - Dermal: Category 4            Acute Toxicity - Inhalation: Category 4            Skin Corrosion/Irritation: Category 2</p>
<b>Signal Word (s)</b>	Warning
<b>Hazard Statement (s)</b>	H226 Flammable liquid and vapour. H312 Harmful in contact with skin. H315 Causes skin irritation. H332 Harmful if inhaled.
<b>General Precautionary Statement (s)</b>	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.
<b>Pictogram (s)</b>	Flame, Exclamation mark



<b>Precautionary statement – Prevention</b>	P210 Keep away from heat/sparks/open flames/hot surface. 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.
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**Precautionary statement – Response**

P261 Avoid breathing fume/gas/mist/vapours/spray.  
 P264 Wash contaminated skin thoroughly after handling.  
 P271 Use only outdoors or in a well-ventilated area.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 INHALATION  
 P304+P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.  
 P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
 SKIN  
 P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P332+P313 If skin irritation occurs: Get medical advice/ attention.  
 P362 Take off contaminated clothing and wash before re-use.  
 OTHER  
 P370+P378 In case of fire: Use carbon dioxide, dry chemical or foam for extinction. Alcohol resistant foam is preferred. If not available normal foam can be used.  
 P403+P235 Store in a well-ventilated place. Keep cool.

**Precautionary statement – Storage**
**Precautionary statement – Disposal**

P501 Dispose of contents/container to an approved waste disposal plant.

### 3. Composition/information on ingredients

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

### 4. First-aid measures

<b>Inhalation</b>	If inhaled, remove affected person from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.
<b>Ingestion</b>	Do not induce vomiting. Wash out mouth thoroughly with water. Seek medical attention.
<b>Skin</b>	Remove all contaminated clothing immediately. Wash affected area thoroughly with soap and water. Wash contaminated clothing before reuse or discard. 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>	Eyewash, safety shower and normal washroom facilities.
<b>Advice to Doctor</b>	Treat symptomatically.
<b>Other Information</b>	For advice in an emergency, contact a Poisons Information Centre or a doctor at once. (13 11 26)

### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Use carbon dioxide, dry chemical or foam. Alcohol resistant foam is preferred. If not available normal foam can be used.
<b>Unsuitable Extinguishing Media</b>	Do not use water jet.
<b>Hazards from Combustion Products</b>	Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide and carbon dioxide.
<b>Specific hazards arising from the chemical</b>	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.
<b>Hazchem Code</b>	•3Y

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<b>Decomposition Temp.</b>	Not available
<b>Precautions in connection with Fire</b>	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

<b>Personal precautions, protective equipment and emergency procedures</b>	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 and waste management authorities in accordance with local regulations.
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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 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.
<b>Conditions for safe storage, including any incompatibilities</b>	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

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

Substance	TWA		STEL		NOTICES
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
Ethylbenzene	100	434	125	543	-
Xylene	80	350	150	655	-

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.

<b>Biological Limit Values</b>	Biological Exposure Indices (BEI) from American Conference of Industrial Hygienists (ACGIH) for ingredients are as follows:
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Determinant Indices (BEI)	Sampling Time	Biological Exposure
XYLENES [1330-20-7] Methylhippuric acids	End of shift	1.5 g/g creatinine

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in urine

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
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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. 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 concerning ventilation requirements.

**Respiratory Protection**

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

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Viscosity	Not available
Partition	Not available
Coefficient: n-octanol/water	
Flash Point	26°C (PMCC) (for Xylene)
Flammability	Flammable liquid
Auto-Ignition	Not available
Temperature	
Flammable Limits - Lower	1.1%
Flammable Limits - Upper	7.7%

### 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	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	Harmful if inhaled. May cause respiratory irritation. 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	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	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).

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<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>	No ecological data available for this material.
<b>Persistence and degradability</b>	Not available
<b>Mobility</b>	Not available
<b>Bioaccumulative Potential</b>	Not available
<b>Environmental Protection</b>	Do not discharge this material into waterways, drains and sewers.

**13. Disposal considerations**

<b>Disposal Considerations</b>	Dispose of waste according to applicable local and national regulations. Labels should not be removed from containers until they have been cleaned. Do not cut, puncture or weld on or near containers. Empty containers may contain flammable residues. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate. Do not incinerate closed containers. Advise flammable nature.
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**14. Transport information**

<b>Transport Information</b>	<p>This material is a Class 3 - Flammable Liquid according to The Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition) Class 3 - Flammable Liquids are incompatible in a placard load with any of the following:</p> <ul style="list-style-type: none"><li>- Class 1, Explosives</li><li>- Division 2.1, Flammable Gases, (Division 2.1 and Class 3 are incompatible in transport if both are in tanks or other receptacles with a capacity individually exceeding 500 L.)</li><li>- Division 2.3, Toxic Gases</li><li>- Division 4.2 Spontaneously Combustible Substances</li><li>- Division 5.1 Oxidising Agents and Division 5.2, Organic Peroxides</li><li>- Class 6 Toxic or Infectious Substances (where the flammable liquid is nitromethane)</li><li>- Class 7: Radioactive materials unless specifically exempted</li></ul>
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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

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<b>U.N. Number</b>	Packaging Instructions (passenger & cargo): 355 Hazard Label: Flammable liquid Special Provisions: A3 1866
<b>UN proper shipping name</b>	RESIN SOLUTION
<b>Transport hazard class(es)</b>	3
<b>Hazchem Code</b>	•3Y
<b>Packing Group</b>	III
<b>EPG Number</b>	3A1
<b>IERG Number</b>	14
<b>IMDG Marine pollutant</b>	No

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**15. Regulatory information**

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<b>Regulatory Information</b>	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).
<b>Poisons Schedule</b>	S6
<b>AICS (Australia)</b>	All components of this product are listed on the Australian Inventory of Chemical Substances (AICS), or otherwise are in compliance with the NICNAS requirements.

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**16. Other Information**

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<b>Date of preparation or last revision of SDS</b>	SDS Reviewed: April 2014 Supersedes: August 2004, June 2009
<b>Literature References</b>	-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.
<b>Contact Person/Point</b>	Technical Support: 1800 812 864 ...End Of MSDS...

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