

Infosafe No™ LPT49	Issue Date : April 2014	ISSUED by PARCHEMC
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Product Name : **FOSROC DEKGUARD S**

Classified as hazardous

## 1. Identification

<b>GHS Product Identifier</b>	FOSROC DEKGUARD S
<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 aliphatic 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            Skin Corrosion/Irritation: Category 2            Eye Damage/Irritation: Category 2A            STOT Single Exposure Category 3 (narcotic)            Aspiration Hazard: Category 1</p>
<b>Signal Word (s)</b>	Danger
<b>Hazard Statement (s)</b>	H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.
<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, Health hazard, Exclamation mark, Environment



<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.
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**Precautionary statement – Response**

P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P261 Avoid breathing mist/vapours/spray.  
P264 Wash contaminated skin thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.  
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.  
**INGESTION**  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
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.  
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. Alcohol resistant foam is preferred. If not available normal foam can be used.  
P391 Collect spillage.  
**Precautionary statement – Storage**  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P403+P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.  
**Precautionary statement – Disposal**  
P501 Dispose of contents/container to an approved waste disposal plant.

**Precautionary statement – Disposal**  
**Supplemental information**

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

**Information on Composition** Product contains 30-60% Solvent naphtha (petroleum), light aromatic (CAS 64742-95-6) which is constituted by the below identified ingredients.

<b>Ingredients</b>	<b>Name</b>	<b>CAS</b>	<b>Proportion</b>
	1,2,4-Trimethylbenzene	95-63-6	<20 %
	Xylene	1330-20-7	<12.5 %
	1,2,3-trimethylbenzene	526-73-8	<10 %
	Propylbenzene	103-65-1	<10 %
	Cumene	98-82-8	<10 %
	1,3,5-Trimethylbenzene	108-67-8	<10 %
	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 and lips with water. Where vomiting occurs naturally have affected person place head below hip level in order to reduce risk of aspiration. Seek immediate medical attention.  
**Skin** Remove all contaminated clothing immediately. Wash affected area thoroughly with soap and water. Wash contaminated clothing before reuse or discard.

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<b>Eye contact</b>	Seek medical attention. 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.
<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. (131 126)

## 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</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
<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.

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## 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 <sup>3</sup>	ppm	mg/m <sup>3</sup>	
Cumene	25	125	75	375	Sk
Oil mist, refined	-	5	-	-	-
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.

**Biological Limit Values** Name: XYLENE [1330-20-7]  
Determinant: Methylhippuric acids  
Specimen: Creatinine in urine  
Value: 1.5 g/g  
Sampling time: End of shift

**Appropriate engineering controls** Source: American Conference of Industrial Hygienists (ACGIH)  
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 including 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** Viscous liquid  
**Colour** Pigmented  
**Odour** Aromatic hydrocarbon odour.

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<b>Decomposition Temperature</b>	Not available
<b>Melting Point</b>	Not available
<b>Boiling Point</b>	150-185°C (for Solvent)
<b>Solubility in Water</b>	Insoluble
<b>Specific Gravity</b>	1.25 at 23°C
<b>pH</b>	Not available
<b>Vapour Pressure</b>	210-1300 Pa at 20°C (for Solvent)
<b>Vapour Density (Air=1)</b>	>4.3 (for Solvent)
<b>Evaporation Rate</b>	<1.0 (for Solvent) (n-Butyl acetate=1)
<b>Odour Threshold</b>	Not available
<b>Volatile Component</b>	Not available
<b>Partition Coefficient: n-octanol/water</b>	Not available
<b>Flash Point</b>	38-50°C (Closed cup IP 170) (for Solvent)
<b>Flammability</b>	Flammable liquid
<b>Auto-Ignition Temperature</b>	507°C (for Solvent)
<b>Flammable Limits - Lower</b>	0.6% v/v (for Solvent)
<b>Flammable Limits - Upper</b>	7.0% v/v (for Solvent)

## 10. Stability and reactivity

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

## 11. Toxicological Information

<b>Toxicology Information</b>	No toxicity data available for this material. The available acute toxicity data for the ingredients are given below.
<b>Acute Toxicity - Oral</b>	For Solvent naphtha (petroleum), light aromatic: LD50 (Oral, Rat): >2,000 mg/kg For Xylene: LD50 (Oral, Rat): 4,300 mg/kg
<b>Acute Toxicity - Dermal</b>	For Solvent naphtha (petroleum), light aromatic: LD50 (Dermal, Rabbit): >2,000 mg/kg For Xylene: LD50 (Dermal, Rabbit): 4,500 mg/kg
<b>Acute Toxicity - Inhalation Ingestion</b>	For Xylene: LC50 (Inhalation, Rat): 5,000 ppm/4h May be fatal if swallowed and enters airways. Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause severe pulmonary injury that may lead to death. May cause irritation

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<b>Inhalation</b>	to the mouth, throat, esophagus and stomach with symptoms of nausea, abdominal discomfort, vomiting and diarrhoea. May cause irritation to the mucous membrane and upper airways, especially where vapours or mists are generated. Symptoms include sneezing, coughing, wheezing, shortness of breath, headache, dizziness, drowsiness nausea and vomiting.
<b>Skin</b>	Causes skin irritation. Skin contact will cause redness, itching and swelling. Repeated exposure may cause skin dryness and cracking and may lead to dermatitis.
<b>Eye</b>	Causes serious eye irritation. On eye contact this product will cause tearing, stinging, blurred vision, and redness.
<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.  Xylene is listed as a Group 3 Carcinogen: Not classifiable as to carcinogenicity to humans according to International Agency for Research on Cancer (IARC). Cumene is listed as a Group 2B: Possibly carcinogenic to humans according to International Agency for Research on Cancer (IARC). Not considered to be toxic to reproduction.
<b>Reproductive Toxicity</b>	
<b>STOT-single exposure</b>	May cause drowsiness or dizziness.
<b>STOT-repeated exposure</b>	Not expected to cause toxicity to a specific target organ.
<b>Aspiration Hazard</b>	May be fatal if swallowed and enters airways.
<b>Other Information</b>	Prolonged or repeated skin contact may cause defatting leading to dermatitis. Prolonged or repeated exposure may also damage the blood organs, lungs, liver, kidneys and nervous system.

## 12. Ecological information

<b>Ecotoxicity</b>	Toxic to aquatic life with long lasting effects.
<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.
<b>Acute Toxicity - Fish</b>	For Solvent naphtha (petroleum), light aromatic: Toxic: 1<LC50<10 mg/L
<b>Acute Toxicity - Daphnia</b>	For Solvent naphtha (petroleum), light aromatic: Toxic: 1<EC50<10 mg/L
<b>Acute Toxicity - Algae</b>	For Solvent naphtha (petroleum), light aromatic: Toxic: 1<EC50<10 mg/L

## 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. Advise flammable nature. Empty containers may contain flammable residues. Do not puncture, cut or weld on or near empty containers. 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. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all applicable local and national regulations. Do not
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allow into drains or watercourses or dispose of where ground or surface waters may be affected.

## 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> <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. Class/Division: 3 UN No: 1866 Proper Shipping Name: RESIN SOLUTION (Solvent naphtha (petroleum), light aromatic) MARINE POLLUTANT Packing Group: III EMS : F-E,S-E Special Provisions: 223 955</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. Class/Division: 3 UN No: 1866 Proper Shipping Name: Resin solution Packing Group: III Packaging Instructions (cargo only): 366 Packaging Instructions (passenger &amp; cargo): 355 Hazard Label: Flammable liquid Special Provisions: A3</p>
<b>U.N. Number</b>	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>	Yes

## 15. Regulatory information

<b>Regulatory Information</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 a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).</p>
<b>Poisons Schedule</b>	S5

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**AICS (Australia)** All components of this product are listed on the Australian Inventory of Chemical Substances (AICS), or otherwise are in compliance with the NICNAS requirements

## 16. Other Information

**Date of preparation or last revision of SDS** SDS Reviewed: April 2014  
Supersedes: August 2004, June 2009

**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.  
Technical Support: 1800 812 864

**Contact**

**Person/Point**

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