

Infosafe No™ LPXRZ	Issue Date : September 2013	ISSUED by PARCHEMN
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Product Name : **FOSROC PRIMER 4**

## 1. Identification

<b>GHS Product Identifier</b>	FOSROC PRIMER 4
<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>	0800 154 666 (available 24/7)
<b>Recommended use of the chemical and restrictions on use</b>	A primer to promote adhesion of some sealants to metals, glass and ceramics.
<b>Other Information</b>	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](http://www.parchem.co.nz)

## 2. Hazard Identification

<b>GHS classification of the substance/mixture</b>	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. 3.1B - Flammable liquid: high hazard 6.1D - Substance that is acutely toxic (Inhalation - vapours, dusts or mists) 6.1D - Substance that is acutely toxic (Oral) 6.3A - Substance that is irritating to the skin 6.4A - Substance that is irritating to the eyes 6.5B - Substance that is a contact sensitiser 6.8B - Substance that is suspected to be a human reproductive or developmental toxicant 6.9B - Substance that is harmful to human target organs or systems (Repeated exposure) 9.1C - Substance that is harmful in the aquatic environment 9.3C - Substance that is harmful to terrestrial vertebrates
<b>Signal Word (s)</b>	Danger
<b>Hazard Statement (s)</b>	H225 Highly flammable liquid and vapour. H302 Harmful if swallowed. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H332 Harmful if inhaled. H361 Suspected of damaging fertility or the unborn child. H373 May cause damage to organs through prolonged or repeated exposure by

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inhalation.  
H412 Harmful to aquatic life with long lasting effects.  
H433 Harmful to terrestrial vertebrates.  
Flame, Exclamation mark, Health hazard

**Pictogram (s)**



**Precautionary statement – Prevention**

P102 Keep out of reach of children.  
P103 Read label before use.  
P104 Read Safety Data Sheet 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 fume/gas/mist/vapours/spray.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
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.  
P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
P314 Get medical advice/attention 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.  
P308+P313 IF exposed or concerned: Get medical advice/ attention.  
**INHALATION:**  
P304+P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.  
**EYES:**  
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.  
**SKIN:**  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P333+P313 If skin irritation or rash 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. Alcohol resistant foam is preferred. If not available normal foam can be used for extinction.

**Precautionary statement – Storage**

P403+P235: Store in a well-ventilated place. Keep cool.  
P405 Store locked up.

**Precautionary statement – Disposal**

P501 In the case of a substance that is in compliance with a HSNO 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)

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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
	Toluene	108-88-3	60-100 %
	Ethyl acetate	141-78-6	10-<30 %
	1-Propanethiol, 3-(trimethoxysilyl)-	4420-74-0	<10 %
	Ingredients determined not to be hazardous.		Balance

### 4. First-aid measures

<b>Inhalation</b>	If inhaled, remove 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 immediate medical attention.
<b>Skin</b>	Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash 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. Continue flushing for several minutes until all contaminants are washed out completely. Seek medical attention.
<b>First Aid Facilities</b>	Eye wash, safety shower and normal washroom facilities.
<b>Advice to Doctor</b>	Treat symptomatically.
<b>Other Information</b>	For advice, contact a Poisons Information Centre (Phone eg Australia 131 126; New Zealand 0800 764 766) or a doctor (at once).

### 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 jets.
<b>Hazards from Combustion Products</b>	Under fire conditions this product may emit toxic and/or irritating fumes and gases including carbon monoxide, carbon dioxide, oxides of sulphur and trace amounts of hydrogen chloride.
<b>Specific hazards arising from the chemical</b>	Highly 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>	•3YE
<b>Decomposition Temp.</b>	Not available
<b>Precautions in connection with Fire</b>	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.

### 6. Accidental release measures

<b>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 adequate ventilation. Use approved
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flammable liquid storage containers in the work area. Prevent release of vapours and mists into workplace air. Keep containers closed when not in use. Take precautionary measures against static discharges. Keep material away from sparks, flames and other ignition sources. 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 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 storeroom, reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids. Reference should also be made to all applicable local and national regulations.

**8. Exposure controls/personal protection**

**Occupational exposure limit values**

No exposure value assigned for this material by the 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 <sup>3</sup>	ppm	mg/m <sup>3</sup>	
Toluene	50	188	-	-	Sk
Ethyl Acetate	200	720	-	-	-

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.

'Sk' Notice: Absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur. Biological Exposure Indices (BEI) from American Conference of Industrial Hygienists (ACGIH) for ingredients are as follows:

**Biological Limit Values**

Determinant	Sampling Time	Biological Exposure Indices (BEI)
TOLUENE [108-88-3]		
o-Cresol in urine	End of shift	0.3mg/g creatinine
Toluene in urine	End of shift	0.03 mg/L
Toluene in blood	Prior to last shift of work week	0.02 mg/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 flameproof exhaust ventilation system is required. 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 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.

**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. Final choice of appropriate gloves will

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**Body Protection** 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. 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

<b>Appearance</b>	Transparent, slightly coloured liquid
<b>Odour</b>	Aromatic
<b>Decomposition Temperature</b>	Not available
<b>Melting Point</b>	Not available
<b>Boiling Point</b>	Not available
<b>Solubility in Water</b>	Insoluble
<b>Solubility in Organic Solvents</b>	Not available
<b>Specific Gravity</b>	0.87 (23°C)
<b>pH</b>	Not available
<b>Vapour Pressure</b>	44 mmHg (25°C)
<b>Vapour Density (Air=1)</b>	Not available
<b>Evaporation Rate</b>	Not available
<b>Odour Threshold</b>	Not available
<b>Viscosity</b>	Not available
<b>Volatile Component</b>	95% w/w
<b>Partition Coefficient: n-octanol/water</b>	Not available
<b>Flash Point</b>	-4°C (Ethyl acetate) 4.4°C (Toluene)
<b>Flammability</b>	Highly flammable
<b>Auto-Ignition Temperature</b>	Not available
<b>Flammable Limits - Lower</b>	1.3% (Toluene)
<b>Flammable Limits - Upper</b>	7.0% (Toluene)
<b>Initial boiling point and boiling range</b>	77°C (Toluene)

## 10. Stability and reactivity

<b>Reactivity</b>	Reacts with incompatibles.
<b>Chemical Stability</b>	Stable under normal conditions of storage and handling.
<b>Conditions to Avoid</b>	Heat, flames and other ignition sources.
<b>Incompatible Materials</b>	Strong oxidising agents, acids and other organic peroxides.
<b>Hazardous Decomposition Products</b>	Thermal decomposition may result in the release of toxic and/or irritating fumes and gases including carbon monoxide, carbon dioxide, oxides of sulphur and trace amounts of hydrogen chloride.
<b>Possibility of hazardous reactions</b>	May react with incompatible materials.
<b>Hazardous Polymerization</b>	Will not occur.

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## 11. Toxicological Information

<b>Toxicology Information</b>	No toxicity data available for this material.
<b>Ingestion</b>	Harmful if swallowed. Ingestion of this product may cause irritation to the mouth, throat, oesophagus and stomach with symptoms of nausea, abdominal discomfort, vomiting and diarrhoea.
<b>Inhalation</b>	Harmful if inhaled. Inhalation of product vapours can cause irritation of the nose, throat and respiratory system.
<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. May cause an allergic skin reaction.
<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>	May cause an allergic skin reaction.
<b>Germ cell mutagenicity</b>	Not considered to be a mutagenic hazard.
<b>Carcinogenicity</b>	Toluene is listed as a Group 3: Not classifiable as to its carcinogenicity to humans according to International Agency for Research on Cancer (IARC). Suspected of damaging fertility or the unborn child.
<b>Reproductive Toxicity</b>	
<b>STOT-single exposure</b>	May cause damage to organs through inhalation.
<b>STOT-repeated exposure</b>	Not available
<b>Aspiration Hazard</b>	Not expected to be an aspiration hazard.

## 12. Ecological information

<b>Ecotoxicity</b>	Harmful to aquatic life with long lasting effects. Harmful to terrestrial vertebrates.
<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>	<p>Product Disposal:</p> <p>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 ERMA New Zealand website under specific group standards.</p> <p>Container Disposal:</p>
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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.

## 14. Transport information

<b>Transport Information</b>	<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"> <li>- Class 1, Explosives</li> <li>- Division 2.1, Flammable gases</li> <li>- Division 2.3, Toxic gases</li> <li>- Division 4.2, Spontaneously combustible substances</li> <li>- Division 5.1, Oxidising substances</li> <li>- Division 5.2, Organic peroxides or</li> <li>- Class 7, Radioactive materials unless specifically exempted.</li> </ul> <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"> <li>- Division 4.3, Dangerous when wet substances</li> </ul> <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"> <li>- Division 4.2, Spontaneously combustible substances</li> <li>- Division 4.3, Dangerous when wet substances</li> <li>- Division 5.1, Oxidising substances</li> <li>- Division 5.2, Organic peroxides</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.  UN No.: 1263  Proper Shipping Name: PAINT RELATED MATERIAL  DG Class: 3  Packaging Group: II  EMS No.: F-E, S-E  Special provisions: 163</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: 1263  Proper Shipping Name: PAINT RELATED MATERIAL  Class: 3  Packing Group: II  Label: Flammable liquid  Packing Instruction: 353 (For passenger and cargo aircraft)  Packing Instruction: 364 (For cargo aircraft only)  Special provisions: A3, A72</p>
<b>U.N. Number</b>	1263
<b>UN proper shipping name</b>	PAINT RELATED MATERIAL
<b>Transport hazard class(es)</b>	3
<b>Hazchem Code</b>	•3YE
<b>Packing Group</b>	II

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EPG Number 3C1

IERG Number 14

IMDG Marine  
pollutant No**15. Regulatory information**

**National and or International Regulatory Information** New Zealand:  
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:  
Additives, Process Chemicals and Raw Materials (Flammable) Group Standard 2006 HSR002495

**HSNO Approval Number**

**16. Other Information**

**Date of preparation or last revision of SDS** SDS Reviewed: September 2013  
Supersedes: October 2008, March 2005

**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).

**Contact Person/Point** Technical Support: 1800 812 864  
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