

Infosafe No™ LPWY2	Issue Date : September 2012	ISSUED by PARCHEMN
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Product Name : **FOSROC PRIMER 13 - PART B HARDENER**

Classified as hazardous

## 1. Identification

<b>GHS Product Identifier</b>	FOSROC PRIMER 13 - PART B HARDENER
<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>	Hardener component for two part epoxy primer.
<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 MSDS 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.  <a href="http://www.parchem.co.nz">www.parchem.co.nz</a>

## 2. Hazard Identification

<b>GHS classification of the substance/mixture</b>	Classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001. 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 6.1E (Oral) - Substance that is acutely toxic 6.3A - Substance that is irritating to the skin 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 8.3A - Substance that is corrosive to ocular tissue
<b>Signal Word (s)</b>	Danger
<b>Hazard Statement (s)</b>	H225 Highly flammable liquid and vapour. H303 May be harmful if swallowed. H315 Causes skin irritation. H318 Causes serious eye damage. H361 Suspected of damaging fertility or the unborn child. H373 May cause damage to organs through prolonged or repeated exposure by inhalation, ingestion & skin contact
<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, Corrosion

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**Precautionary statement – Prevention**

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 dust/fume/gas/mist/vapours/spray.  
 P264 Wash skin thoroughly after handling.  
 P280 Wear protective gloves/eye protection/face protection.  
 P281 Use personal protective equipment as required.

**Precautionary statement – Response**

GENERAL:  
 P314 Get medical advice/attention if you feel unwell.  
 P370+P378: In case of fire: Use foam, carbon dioxide or dry chemical powder to extinguish.  
 P391: Collect spillage.  
 SKIN:  
 P302+P352: IF ON SKIN: Wash with plenty of water.  
 P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P362 Take off contaminated clothing and wash before reuse.  
 P332+P313 If skin irritation occurs: Get medical advice/attention.

**Precautionary statement – Storage**

EYES:  
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing.  
 P310 Immediately call a POISON CENTER or doctor/physician.  
 INGESTION:  
 P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
 P331 Do NOT induce vomiting.

**Precautionary statement – Disposal**

P403+P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.  
 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) 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
	Methyl Ethyl Ketone	78-93-3	30-60 %
	Polyaminoamide		30-60 %
	Xylene	1330-20-7	1-<12.5 %
	n-Butanol	71-36-3	1-<10 %
	3 -	919-30-2	1-<5 %
	Aminopropyltriethoxy silane		
	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 immediate medical attention.  
**Skin** Remove all contaminated clothing immediately. Wash affected area thoroughly

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<b>Eye contact</b>	with soap and water. Wash contaminated clothing before reuse or discard. Seek medical attention. If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek immediate 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, foam or water mist.
<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 including carbon monoxide and carbon dioxide.
<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>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 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.
<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 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

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**Occupational exposure limit values** No exposure value assigned for this specific material by the New Zealand Occupational Safety and Health Service (OSH). However, over-exposure to any chemical may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions and should be kept to the least possible levels. 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>		
n-Butanol	50	150 (Peak limitation)	Sk	
Xylene	50	217	-	-
Methyl ethyl ketone	150	445	300	890

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.

**Biological Limit Values** Biological Exposure Indices (BEI) from American Conference of Industrial Hygienists (ACGIH) for ingredients are as follows:

Determinant Sampling Time Biological Exposure Indices (BEI)

XYLENE [1330-20-7]

Methylhippuric acids in urine End of shift 1.5mg/g creatinine shift of work week

**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, such as PVC and rubber gloves. 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

<b>Appearance</b>	Viscous liquid
<b>Odour</b>	Ketone odour
<b>Melting Point</b>	Not available
<b>Boiling Point</b>	Not available
<b>Solubility in Water</b>	Partially soluble
<b>Specific Gravity</b>	0.89 at 23°C
<b>pH</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density (Air=1)</b>	>1

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<b>Evaporation Rate</b>	<1 (n-Butyl acetate=1)
<b>Odour Threshold</b>	Not available
<b>Viscosity</b>	Not available
<b>Volatile Component</b>	52%
<b>Partition Coefficient: n-octanol/water</b>	Not available
<b>Flash Point</b>	- 4°C (Methyl ethyl ketone)
<b>Flammability</b>	Highly flammable
<b>Auto-Ignition Temperature</b>	Not available
<b>Flammable Limits - Lower</b>	1.8% v/v (Methyl ethyl ketone)
<b>Flammable Limits - Upper</b>	11.5% v/v (Methyl ethyl ketone)

## 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.
<b>Hazardous Decomposition Products</b>	Thermal decomposition may result in the release of toxic and/or irritating fumes including carbon monoxide and carbon dioxide.
<b>Hazardous Polymerization</b>	Will not occur.

## 11. Toxicological Information

<b>Toxicology Information</b>	No toxicity data are available for this specific product. The available data for the ingredients are as follows: For Methyl ethyl ketone: LD50 (Oral, Rat): 2,737 mg/kg LC50 (Inhalation, Rat): 23.5 g/L/8h LD50 (Dermal, Rabbit): 6,480 mg/kg For Xylene: LD50 (Oral, Rat): 4,300 mg/kg LC50 (Inhalation, Rat): 5,000 ppm/4h LD50 (Dermal, Rabbit): > 1,700 mg/kg For n-Butanol: LD50 (Oral, Rat): 790 mg/kg LC50 (Inhalation, Rat): 8,000 ppm/4h LD50 (Dermal, Rabbit): 3,400 mg/kg SKIN (Rabbit): Moderate irritant EYES (Rabbit): Severe/moderate irritant
<b>Ingestion</b>	May cause irritation to the mouth, throat, esophagus and stomach with symptoms of nausea and vomiting.
<b>Inhalation</b>	Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.
<b>Skin</b>	Irritating to skin. 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 eye damage. Eye contact will cause stinging, blurring, tearing, severe pain and possible burns, necrosis, permanent damage and blindness.
<b>Respiratory sensitisation</b>	Not expected to be a respiratory sensitiser.
<b>Skin Sensitisation</b>	Not expected to be a skin sensitiser.

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<b>Germ cell mutagenicity</b>	Not considered to be a mutagenic hazard.
<b>Carcinogenicity</b>	Not considered to be a carcinogenic hazard.
<b>Reproductive Toxicity</b>	Suspected of damaging fertility or the unborn child.
<b>STOT-single exposure</b>	Not expected to cause damage to organs.
<b>STOT-repeated exposure</b>	May cause damage to organs through prolonged or repeated exposure by inhalation, ingestion and skin contact. Ingestion of large quantities may depress the central nervous system.
<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>	<p><b>Product Disposal:</b> 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 combustible substance and therefore can be sent to an approved high temperature incineration plant for disposal. Do not dispose directly into the sewerage system. Do not discharge into drains or watercourses or dispose where ground or surface waters may be affected. 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. 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><b>Container Disposal:</b> 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

<b>Transport Information</b>	<p><b>Road and Rail Transport:</b> 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> </ul>
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- Division 5.2, Organic peroxides or
  - Class 7, Radioactive materials unless specifically exempted.
- 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:
- Division 4.3, Dangerous when wet substances
- 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:
- Division 4.2, Spontaneously combustible substances
  - Division 4.3, Dangerous when wet substances
  - Division 5.1, Oxidising substances
  - Division 5.2, Organic peroxides

MMarine 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.: 1993

Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. (Contains Methyl ethyl ketone and Xylene)

Class: 3

Packaging Group: II

EMS No.: F-E, S-E

Special Provision: 274

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.: 1993

Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. (Contains Methyl ethyl ketone and Xylene)

Class: 3

Packaging Group: II

Packaging Instructions (passenger & cargo): 353

Packaging Instructions (cargo only): 364

Special provisions: A3

1993

**U.N. Number**

**UN proper shipping name**

FLAMMABLE LIQUID, N.O.S. - (Contains Methyl ethyl ketone and Xylene)

**Transport hazard class(es)**

3

**Hazchem Code**

•3YE

**Packing Group**

II

**EPG Number**

3A1

**IERG Number**

14

**IMDG Marine pollutant**

No

## 15. Regulatory information

**Regulatory Information**

Classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

Group Standard: Surface Coatings and Colourants (Flammable) Group Standard 2006

**HSNO Approval Number**

HSR002662

## 16. Other Information

**Date of preparation or last revision of SDS**

SDS Reviewed: September 2012, Supersedes: October 2007



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

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