

Infosafe No™ LPXS1 Issue Date : September 2013 ISSUED by PARCHEMN

Product Name : FOSROC PRIMER 10

1. Identification

GHS Product Identifier FOSROC PRIMER 10

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 A primer to promote adhesion of silicone polymers to concrete.

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

GHS classification of the substance/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:

3.1B - Flammable liquid: high hazard
6.1D (Inhalation - vapours, dusts or mists) - Substance that is acutely toxic
6.1D (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 (Single exposure) - Substance that is harmful to human target organs or systems
8.3A - Substance that is corrosive to ocular tissue
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) Danger

Hazard Statement (s) H225 Highly flammable liquid and vapour.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H332 Harmful if inhaled.
H361 Suspected of damaging fertility or the unborn child.

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H371 May cause damage to organs.
 H401 Toxic to aquatic life.
 H433 Harmful to terrestrial vertebrates.
 Corrosion, Exclamation mark, Flame, 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 hands and 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.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/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.
 P308+P313 IF exposed or concerned: Get medical advice/ attention.
 P309+P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
 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.
 P331 Do NOT induce vomiting.
 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.
 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.
 P310 Immediately call a POISON CENTER or doctor/physician.

Precautionary statement – Storage
Precautionary statement – Disposal

OTHER
 P370+P378 In case of fire: Use foam, carbon dioxide or dry chemical for extinction.
 P405 Store locked up.
 P403+P235 Store in a well-ventilated place. Keep cool.
 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.

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3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	Toluene	108-88-3	40-80 %
	n-Butanol	71-36-3	<5 %
	Methyltrimethoxysilane	1185-55-3	<5 %
	Other 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	If swallowed, do NOT induce vomiting. Wash out mouth thoroughly with water. 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. Seek medical attention.
Eye contact	If in eyes, hold eyelids apart and flush the eye 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.
First Aid Facilities	Eye wash station, safety shower and normal washroom facilities.
Advice to Doctor	Treat symptomatically.
Other Information	For advice in an emergency, contact a Poisons Information Centre (Phone Australia 13 1126; New Zealand 0800 POISON / 0800 764 766) or a doctor at once.

5. Fire-fighting measures

Suitable extinguishing media	Use foam, dry chemical powder or carbon dioxide. Do not use water jet.
Unsuitable Extinguishing Media	DO NOT use water jets.
Hazards from Combustion Products	Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide.
Specific hazards arising from the chemical	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.
Hazchem Code	•3YE
Decomposition Temp.	Not available
Precautions in connection with Fire	Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing to prevent exposure to vapours, fumes or products of combustion. Water spray may be used to cool down heat-exposed material. If safe to do so, remove containers from path of fire. Do not allow run-off from fire fighting to enter drains or water courses.

6. Accidental release measures

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 water and waste management authorities in accordance with local regulations.
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7. Handling and storage

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Precautions for Safe Handling Wear appropriate protective clothing and equipment to prevent inhalation, skin and eye contact. Handle and use the material in a well-ventilated area, away from sparks, flames and other ignition sources. Maintain a high level of personal hygiene when using the product, that is, always wash hands after handling, and 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, acids, bases, foodstuffs, and out of direct sunlight. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. 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 state and federal 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		NOTES
	ppm	mg/m ³	ppm	mg/m ³	
Toluene	50	188	-	-	Sk
n-Butanol	50	150 (Ceiling)	-	-	Sk

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. Ceiling: A concentration that should not be exceeded during any part of the working day.

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)
TOLUENE [108-88-3]		
Toluene in urine	End of Shift	0.03 mg/L
Toluene in blood	Prior to last shift of work week	0.02 mg/L
o-Cresol with hydrolysis creatinine in urine	End of Shift	0.3 mg/g

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 2430.3.1:2004: Classification of hazardous areas - Examples of area classification - General, 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 fluorinated rubber. 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 workwear, e.g. cotton overalls buttoned at neck and wrist.

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When large quantities are handled the use of plastic aprons and rubber boots is recommended.

9. Physical and chemical properties

Appearance	Liquid
Colour	Colourless
Odour	Strong aromatic solvent odour.
Decomposition Temperature	Not available
Melting Point	Not available
Boiling Point	111°C at 1013 hPa
Solubility in Water	Insoluble
Solubility in Organic Solvents	Not available
pH	Not available
Vapour Pressure	29 hPa at 20°C
Vapour Density (Air=1)	3.2 (for Toluene)
Evaporation Rate	2.4 (n-Butyl acetate=1) (for Toluene)
Odour Threshold	Not available
Partition Coefficient: n-octanol/water	Not available
Density	0.95 g/cm ³ at 25°C
Flash Point	8°C (DIN 51755)
Flammability	Highly flammable liquid.
Auto-Ignition Temperature	Ignition temperature: 420°C (DIN 51794)
Flammable Limits - Lower	1.2% by volume
Flammable Limits - Upper	7.0% by volume
Dynamic Viscosity	100 - 300 mPa.s
Other Information	Explosion limits for released methanol: 5.5 - 44% by volume.

10. Stability and reactivity

Reactivity	Will react with incompatible materials.
Chemical Stability	Stable under normal conditions of handling and storage.
Conditions to Avoid	Heat, direct sunlight, open flames or other sources of ignition, moisture.
Incompatible Materials	Oxidising agents, strong acids and strong bases. Reaction causes the formation of: methanol.
Hazardous Decomposition Products	Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Toxicology Information	No toxicity data are available for this specific product. The available data for the ingredients are given below.
Acute Toxicity - Oral	For Toluene: LD50 (Oral, Rat): 5000-7530 mg/kg D50 (Rat, Oral): >3200 mg/kg

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Acute Toxicity - Dermal	For n-Butanol: LD50 (Oral, Rat): 790 mg/kg
Acute Toxicity - Inhalation	For n-Butanol: LD50 (Dermal, Rabbit): 3400 mg/kg
Ingestion	For Toluene: LC50 (Inhalation, Mouse): 400 ppm/24h For n-Butanol: LC50 (Inhalation, Rat): 8000 ppm/4h
Inhalation	Harmful if swallowed. Ingestion may cause nausea, vomiting, abdominal pain and CNS depression with symptoms including dizziness, drowsiness, confusion and possible unconsciousness.
Skin	Harmful if inhaled. Vapours may cause drowsiness and dizziness. The vapours may be irritating to the respiratory system. The symptoms of inhalation of high concentrations of solvent vapour are pulmonary irritation, including coughing, with nausea; central nervous system depression characterised by headache and dizziness; and increased reaction time, fatigue and loss of coordination. If exposure to highly concentrated solvent vapours is prolonged this may lead to narcosis, unconsciousness, even coma and possible death.
Eye	Causes skin irritation. Symptoms may include redness and itchiness. Repeated or prolonged skin contact may lead to dermatitis.
Respiratory sensitisation	Causes serious eye damage. Eye contact will cause stinging, blurring, tearing, severe pain and possible burns, necrosis, permanent damage and blindness.
Skin Sensitisation	Not expected to be a respiratory sensitiser.
Germ cell mutagenicity	Not expected to be a skin sensitiser.
Carcinogenicity	Not considered to be a mutagenic hazard.
Reproductive Toxicity	Not considered to be a carcinogenic hazard.
STOT-single exposure	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.
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure. May cause drowsiness or dizziness.
Aspiration Hazard	Not available
Chronic Effects	Not expected to be an aspiration hazard.
	Chronic exposure may cause damage to the central nervous system, blood organs, optic nerve, heart, liver and kidneys. Prolonged or repeated skin contact may cause defatting leading to drying and cracking of skin, and dermatitis.

12. Ecological information

Ecotoxicity	Toxic to aquatic life. Harmful to terrestrial vertebrates.
Persistence and degradability	Not available
Mobility	Not available
Bioaccumulative Potential	Bioaccumulation is not expected to occur.
Environmental Protection	Do not discharge this material into waterways, drains and sewers.
Acute Toxicity - Fish	For Toluene: LC50 (Oncorhynchus kisutch): 5.5 mg/l/96h (measured) (dynamic)
Acute Toxicity - Daphnia	For Toluene: EC50 (Daphnia): 3.78 mg/l/48h (measured) (semistatic)
Acute Toxicity - Algae	For Toluene: EC50 (Algae): 134 mg/l/3h (photosynthesis) (nominal)

13. Disposal considerations

Disposal Considerations	Product Disposal: Product wastes are controlled wastes and should be disposed of in accordance
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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.

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.

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.

14. Transport information

Transport Information

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:

- 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.

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

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: 1993

Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. (CONTAINS TOLUENE)

Class: 3

Packaging Group: II

EmS: F-E, S-E

Label: 3 (Flammable liquid)

Special provisions: 274

Marine Pollutant: No

Air Transport (ICAO/IATA):

Classified as Dangerous Goods by the criteria of the International Air

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Product Name : **FOSROC PRIMER 10**

	Transport Association (IATA) Dangerous Goods Regulations for transport by air.
	UN-No: 1993
	Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. (CONTAINS TOLUENE)
	Class: 3
	Packaging Group: II
	Label: Flammable Liquid
	Packaging Instructions (passenger & cargo): 353
	Packaging Instructions (cargo): 364
	Special provisions: A3
U.N. Number	1993
UN proper shipping name	FLAMMABLE LIQUID, N.O.S. - (CONTAINS TOLUENE)
Transport hazard class(es)	3
Hazchem Code	•3YE
Packing Group	II
EPG Number	3A1
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	
AICS (Australia)	All components of this product are listed on the Australian Inventory of Chemical Substances (AICS).

16. Other Information

Date of preparation or last revision of SDS	SDS Reviewed: September 2013 Supersedes: October 2008
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 ...End Of MSDS...

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