

Infosafe No™ LPTCP Issue Date : September 2013 ISSUED by PARCHEMC

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 1800 638 556 (available 24/7)

Recommended use of the chemical and restrictions on use A primer to promote adhesion of silicone polymers to concrete.

Other Information 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.com.au

2. Hazard Identification

GHS classification of the substance/mixture 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 Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Signal Word (s) Eye Damage/Irritation: Category 1
Flammable Liquids: Category 2
STOT Repeated Exposure Category 2
Skin Corrosion/Irritation: Category 2
STOT Single Exposure Category 3 (narcotic)
Toxic to Reproduction: Category 2
Danger

Hazard Statement (s) H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H336 May cause drowsiness or dizziness.
H361 Suspected of damaging fertility or the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.

Pictogram (s) Corrosion, Exclamation mark, Flame, Health hazard



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.

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<p>Precautionary statement – Response</p> <p>Precautionary statement – Storage</p> <p>Precautionary statement – Disposal</p> <p>Other Information</p>	<p>P242 Use only non-sparking tools.</p> <p>P243 Take precautionary measures against static discharge.</p> <p>P260 Do not breathe fume/gas/mist/vapours/spray.</p> <p>P264 Wash hands and skin thoroughly after handling.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P280 Wear protective gloves/eye protection/face protection.</p> <p>P281 Use personal protective equipment as required.</p> <p>GENERAL</p> <p>P308+P313 IF exposed or concerned: Get medical advice/attention.</p> <p>P314 Get medical advice/attention if you feel unwell.</p> <p>INHALATION</p> <p>P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.</p> <p>P312 Call a POISON CENTER or doctor/physician if you feel unwell.</p> <p>SKIN</p> <p>P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>P332+P313 If skin irritation occurs: Get medical advice/attention.</p> <p>EYE</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P310 Immediately call a POISON CENTER or doctor/physician.</p> <p>OTHER</p> <p>P370+P378 In case of fire: Use extinguish fire with foam, dry chemical powder or carbon dioxide for extinction.</p> <p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P403+P235 Store in a well-ventilated place. Keep cool.</p> <p>P501 Dispose of contents/container to an approved waste disposal plant.</p> <p>Upon hydrolysis the alkoxysilane may evolve methanol. If swallowed it may hydrolyse in the gastro-intestinal tract and produce methanol in the body.</p>
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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		Balance
	determined not to be hazardous		

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 13 11 26 in Australia) 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.
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Hazards from Combustion Products
Specific hazards arising from the chemical
Hazchem Code
Decomposition Temp.
Precautions in connection with Fire

Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide.

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.

•3YE

Not available

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.

7. Handling and storage

Precautions for Safe Handling
Conditions for safe storage, including any incompatibilities

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.

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 Safe Work, Australia. However, the available exposure limits for ingredients are listed below:

Substance	TWA		STEL		NOTES
	ppm	mg/m ³	ppm	mg/m ³	
Toluene	50	191	150	574	Sk
n-Butanol	50	152	(Peak Limitation)		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. Peak Limitation: A ceiling concentration which should not be exceeded over a measurement period which should be as short as possible but not exceeding 15 minutes.

Biological Limit Values

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

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	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 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 workwear, e.g. cotton overalls buttoned at neck and wrist. 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 (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 (DIN 51757)
Flash Point	8°C (DIN 51755)
Flammability	Highly flammable liquid.
Auto-Ignition Temperature	Ignition temperature: 420°C (DIN 51794)

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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 For n-Butanol: LD50 (Oral, Rat): 790 mg/kg
Acute Toxicity - Dermal	For n-Butanol: LD50 (Dermal, Rabbit): 3400 mg/kg
Acute Toxicity - Inhalation	For Toluene: LC50 (Inhalation, Mouse): 400 ppm/24h For n-Butanol: LC50 (Inhalation, Rat): 8000 ppm/4h
Ingestion	Ingestion may cause nausea, vomiting, abdominal pain and CNS depression with symptoms including dizziness, drowsiness, confusion and possible unconsciousness.
Inhalation	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.
Skin	Causes skin irritation. Symptoms may include redness and itchiness. Repeated or prolonged skin contact may lead to dermatitis.
Eye	Causes serious eye damage. Symptoms may include redness, tearing, stinging and blurred vision.
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	Not considered to be a carcinogenic hazard. 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.
Reproductive Toxicity	
STOT-single exposure	May cause damage to organs through prolonged or repeated exposure. May cause drowsiness or dizziness.

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STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration Hazard	Not expected to be an aspiration hazard.
Chronic Effects	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	Available ecotoxicity data given below.
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	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 hazardous 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

Transport Information	<p>This material is Dangerous Goods Class 3 - Flammable Liquid according to The Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)</p> <p>Class 3 - Flammable Liquids are incompatible in a placard load with any of the following:</p> <ul style="list-style-type: none"> - Class 1, Explosives - 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.) - Division 2.3, Toxic Gases - Division 4.2 Spontaneously Combustible Substances - Division 5.1 Oxidising substances and Division 5.2, Organic Peroxides - Class 6 Toxic or Infectious Substances (where the flammable liquid is nitromethane) - Class 7 Radioactive Substances. <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: 1993 Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. (CONTAINS TOLUENE) Class: 3 Packaging Group: II EmS: F-E, S-E Label: 3 Marine Pollutant: No</p> <p>Air Transport (ICAO/IATA): Classified as Dangerous Goods by the criteria of the International Air</p>
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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
 1993

U.N. Number
UN proper shipping name
Transport hazard class(es)
Hazchem Code
Packing Group
EPG Number
IERG Number
IMDG Marine pollutant

FLAMMABLE LIQUID, N.O.S. - (CONTAINS TOLUENE)
 3
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 No

15. Regulatory information

Regulatory Information 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).
Poisons Schedule S6
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: September 2004, September 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.
Contact Person/Point Technical Support: 1800 812 864
 ...End Of MSDS...

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