

Infosafe No™ LPXWO Issue Date : November 2012 ISSUED by PARCHEMN

Product Name : FOSROC NITOPRIME ZINCRICH

Classified as hazardous

## 1. Identification

**GHS Product Identifier** FOSROC NITOPRIME ZINCRICH

**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 zinc rich primer for steel, mainly used as part of the Renderoc concrete repair system.

**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](http://www.parchem.co.nz)

## 2. Hazard Identification

**Classification of the substance or mixture** 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.  
HSNO Classification:  
3.1B - Flammable liquid: high hazard  
6.1D (Dermal) - Substance that is acutely toxic  
6.1D (Inhalation - vapours, dusts or mists) - Substance that is acutely toxic  
6.1D (Oral) - Substance that is acutely toxic  
6.1E (Aspiration hazard 1) - 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  
9.1A - Substance that is very ecotoxic in the aquatic environment

**Signal Word (s)** Danger

**Hazard Statement (s)** H225 Highly flammable liquid and vapour.  
H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H332 Harmful if inhaled.

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**Pictogram (s)**

H361 Suspected of damaging fertility or the unborn child.  
 H371 May cause damage to organs (by inhalation, by ingestion).  
 H410 Very toxic to aquatic life with long lasting effects.  
 Flame, Corrosion, Exclamation mark, Environment, Health hazard



**Precautionary statement – Prevention**

P102 Keep out of reach of children.  
 P103 Read label 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 dust/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.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.

**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.  
 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 to extinguish.  
 P391 Collect spillage.  
 INGESTION  
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 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.

**Precautionary statement – Storage**  
**Precautionary statement – Disposal**

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.  
 P310 Immediately call a POISON CENTER or doctor/physician.  
 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.  
 P309+P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.  
 P332+P313 If skin irritation occurs: Get medical advice/attention.  
 P362 Take off contaminated clothing and wash before reuse.  
 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 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.

**3. Composition/information on ingredients**

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Ingredients	Name	CAS	Proportion
	Zinc dust	7440-66-6	20-40 %
	n-Butyl acetate	123-86-4	10-30 %
	Xylene	1330-20-7	10-30 %
	1-Butanol	71-36-3	1-10 %
	2-Propanol, 1-methoxy-, acetate	108-65-6	1-10 %
	Kerosene, petroleum	8008-20-6	1-10 %
	Isobutyl alcohol	78-83-1	1-10 %
	Solvent naphtha (petroleum), light aromatic	64742-95-6	1-10 %
	Other ingredients determined not to be hazardous	Not required	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 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.
<b>Skin</b>	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Ensure contaminated clothing is washed before re-use or discard. Seek immediate medical attention.
<b>Eye contact</b>	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.
<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>Hazards from Combustion Products</b>	Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide, carbon dioxide and metal oxides.
<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 full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode. Water spray may be used to keep fire exposed containers cool.

#### 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

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<b>Precautions for Safe Handling</b>	Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Avoid inhalation of vapours and mists, and skin or eye contact. Do not use near ignition sources. Do not pressurise, cut, heat or weld containers as they may contain hazardous residues. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using 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

**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>	ppm	mg/m <sup>3</sup>	
Xylene	50	217	-	-	

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

Determinant	Sampling Time	Biological Exposure Indices (BEI)
Methylhippuric acids in urine	End of shift	1.5mg/g creatinine

**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 local exhaust ventilation system is required.

**Respiratory Protection** If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used suitable for protecting against airborne contaminants. Final choice of appropriate breathing protection is dependent upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. 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.

**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 or nitrile 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.

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**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

**Appearance** Coloured liquid

**Odour** Solvent odour

**Decomposition** Not available

**Temperature**

**Melting Point** Not available

**Boiling Point** 118°C

**Solubility in Water** Low solubility

**pH** Not available

**Vapour Pressure** Not available

**Vapour Density** Not available

**(Air=1)**

**Evaporation Rate** Not available

**Odour Threshold** Not available

**Viscosity** Not available

**Volatile Component** 22%

**Partition Coefficient:** Not available

**n-octanol/water**

**Density** 1.70 g/mL

**Flash Point** 20°C

**Flammability** Highly flammable

**Auto-Ignition** Not available

**Temperature**

**Flammable Limits -** Not available

**Lower**

**Flammable Limits -** Not available

**Upper**

## 10. Stability and reactivity

**Reactivity** Reacts with incompatibles.

**Chemical Stability** Stable under normal conditions of storage and handling.

**Conditions to Avoid** Heat, flames and other ignition sources.

**Incompatible Materials** Strong oxidising agents, mineral acids, halogenated organic compounds and peroxides.

**Hazardous Decomposition Products** Thermal decomposition may result in the release of toxic and/or irritating fumes and gases including carbon dioxide, carbon monoxide and metal oxides.

**Hazardous Polymerization** Will not occur.

## 11. Toxicological Information

**Toxicology Information** No toxicity data is available for this product.

**Ingestion** Harmful if swallowed. 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 to the mouth, throat, esophagus and stomach with symptoms of nausea, abdominal discomfort, vomiting and diarrhoea.

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<b>Inhalation</b>	Harmful if inhaled. Inhalation of mists or vapours will result in respiratory irritation and possible harmful corrosive effects including lesions of the nasal septum, pulmonary edema, pneumonitis and emphysema.
<b>Skin</b>	Causes skin irritation. Skin contact will cause redness, itching and swelling. Repeated exposure may cause skin dryness or cracking.
<b>Eye</b>	Causes serious 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.
<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>	May cause damage to organs (by inhalation, by ingestion).
<b>STOT-repeated exposure</b>	Not expected to cause damage to organs.
<b>Aspiration Hazard</b>	May be fatal if swallowed and enters airways.

## 12. Ecological information

<b>Ecotoxicity</b>	Very 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>	Prevent this material entering 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 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 EPA New Zealand website under specific group standards.</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</p>
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through a public or commercial waste collection service is a means of compliance with regulations.

## 14. Transport information

<b>Transport Information</b>	<p>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 (Zinc dust) MARINE POLLUTANT 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 Class: 3 Packing Group: II Label: Miscellaneous 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
<b>Transport hazard class(es)</b>	3
<b>Hazchem Code</b>	•3YE
<b>Packing Group</b>	II
<b>EPG Number</b>	3C1
<b>IERG Number</b>	14
<b>IMDG Marine pollutant</b>	Yes

## 15. Regulatory information

<b>Regulatory Information</b>	Classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.
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**HSNO Approval  
Number**

Group Standard: Surface Coatings and Colourants (Flammable) Group Standard  
2006  
HSR002662

## 16. Other Information

**Date of preparation** SDS amendment: February 2014, SECTION 14 Transport information  
**or last revision of** SDS Reviewed: November 2012  
**SDS** Supersedes: November 2008  
**Contact Person/Point** Technical Support: 1800 812 864

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