

Infosafe No™ LPTER

Issue Date : November 2011

ISSUED by PARCHEMD

Product Name **VANDEX PLUG**

Classified as hazardous

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name VANDEX PLUG

Company Name Parchem Construction Supplies Pty Ltd (ABN ABN 80 069 961)

Address 7 Lucca Road Wyong
NSW 2259 Australia

Emergency Tel. Australia 1800 638 556 and New Zealand 0800 154 666 (both available 24/7)

Telephone/Fax Number Tel: 02 4350 5000
Fax: 02 4351 2024

Recommended Use Water proofing plugging compound

Other Information 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.

Australia: www.parchem.com.au
New Zealand: www.parchem.co.nz

2. HAZARDS IDENTIFICATION

Hazard Classification Classified as hazardous
Australia:
Classified as Hazardous according to criteria of National Occupational Health & Safety Commission, Australia (NOHSC).
Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

New Zealand:
Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.
Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2007 Transport of Dangerous Goods on Land.

HSNO Classification:
6.1E - Substance that is acutely toxic (Inhalation - vapours, dusts or mists)
6.3A - Substance that is irritating to the skin
8.3A - Substance that is corrosive to ocular tissue

Hazard statement codes:
H315 Causes skin irritation.
H318 Causes serious eye damage.
H333 May be harmful if inhaled.

Precautionary statement codes - Prevention:
P102 Keep out of reach of children. -This statement applies only where the substance is available to the general public.
P103 Read label before use. -This statement applies only where the substance is available to the general public.
P104 Read Safety Data Sheet before use.

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P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
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.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement codes - Response:

P101 If medical advice is needed, have product container or label at hand.
-This statement applies only where the substance is available to the general public.

P310 Immediately call a POISON CENTER or doctor/physician.

P331 Do NOT induce vomiting.

INHALATION:

P304+P312 Call a POISON CENTER or doctor/physician if you feel unwell.

EYES:

P305+P351+P338 Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P362 Take off contaminated clothing and wash before re-use.

SKIN:

P302+P352 Wash with plenty of soap and water.

P332+P313 If skin irritation occurs: Get medical advice/ attention.

Precautionary statement codes - Storage:

P405 Store locked up.

Precautionary statement codes - 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) Regulations 2001. This may also include any method of disposal that must be avoided. See Section 13 for disposal details.

Risk Phrase(s)

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R37/38 Irritating to respiratory system and skin.

R41 Risk of serious damage to eyes.

Safety Phrase(s)

S22 Do not breathe dust.

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28 After contact with skin, wash immediately with plenty of soap and water.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S38 If insufficient ventilation, wear suitable respiratory equipment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion	Hazard Symbol	Risk Phrase
	Portland cement	65997-15-1	25-50 %		
	Ingredients determined not to be hazardous.		To 100%		
Other Information	The content of hexavalent chromium in the cement is reduced to <= 2 ppm. The chromate reduction is effective within the shelf life and when properly stored. Cement products may contain crystalline silica as an impurity.				

4. FIRST AID MEASURES

Inhalation	If inhaled, remove from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.
Ingestion	DO NOT induce vomiting. Immediately wash out mouth and lips with water. Seek medical attention.
Skin	Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. Seek medical attention.

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Eye	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 and normal washroom facilities.
Advice to Doctor	Treat symptomatically.
Other Information	For advice in an emergency, contact a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 POISON / 0800 764 766) or a doctor at once.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Use appropriate fire extinguisher for surrounding environment.
Hazards from Combustion Products	Non combustible material.
Specific Hazards	Non-combustible solid. In contact with extinguishing water an alkaline solution is produced which can cause irritation.
Precautions in connection with Fire	Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA).

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Wear appropriate personal protective equipment and clothing to prevent inhalation and eye exposure. Sweep up material avoiding dust generation or where possible use dustless methods such as vacuum to collect the material and transfer 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

Precautions for Safe Handling	Avoid contact with skin and eyes. Wear protective clothing, impervious gloves and safety glasses. Use only in well ventilated areas. Avoid breathing dust. 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	Store in a cool, dry, well-ventilated area. Store protected from humidity in unopened, undamaged original packaging. Store in labelled, corrosion-resistant containers. Keep containers tightly closed. Reference should be made to all applicable local and national regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	No exposure value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC), Australia or the Occupational Safety and Health Service (OSH) of the New Zealand Department of Labour. However, the available exposure limits for ingredients are listed below:
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National Occupational Health And Safety Commission (NOHSC), Australia Exposure Standards:

Substance	TWA		STEL		NOTICES
	ppm	mg/m ³	ppm	mg/m ³	
Chromium VI compounds (as Cr)	-	0.05	-	-	Sen
Crystalline silica	-	0.1	-	-	-
Dust, not otherwise specified	-	10	-	-	-

New Zealand Occupational Safety and Health Service (OSH) Workplace Exposure Standards:

Substance	TWA		STEL		NOTICES
	ppm	mg/m ³	ppm	mg/m ³	
Chromium VI compounds	-	0.05	-	-	Sen

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	(as Cr)
	Crystalline silica - 0.1(inhalable) - - -
	Particulates - 10 (inhalable) - - -
	Particulates - 3 (respirable) - - -
	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.
	'Sen' Notice: The substance may cause sensitisation by skin contact or by inhalation
Biological Limit Values	No biological limit allocated.
Engineering Controls	Provide sufficient ventilation to keep airborne levels below the exposure limits. Where natural ventilation is inadequate, a local exhaust ventilation system, drawing dusts away from workers' breathing zone, is required.
Respiratory Protection	Where sufficient ventilation is not available, avoid breathing dusts by wearing an AS 1716 approved dust/particulate filter respirator; however final choice of appropriate breathing protection is dependant 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/New Zealand 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 shield protection or chemical goggles should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection 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 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 workwear should be worn to protect personal clothing, eg cotton overalls buttoned at neck and wrist. Dusty clothing should be laundered before reuse. Use precautionary measures to avoid creating dust when removing or laundering clothes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Grey powder.
Odour	Odourless
Melting Point	Not available
Boiling Point	Not applicable
Solubility in Water	Upto 1.5 g/L at 20°C
Specific Gravity	Not available
pH Value	11 - 13.5
Vapour Pressure	Not applicable
Vapour Density (Air=1)	Not applicable
Density	1.2 kg/L (bulk) (approximate)
Flash Point	Not applicable
Flammability	Non-combustible solid.
Auto-Ignition Temperature	Not available
Flammable Limits - Lower	Not applicable

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Flammable Limits - Upper Not applicable

10. STABILITY AND REACTIVITY

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

Conditions to Avoid Dusty conditions. Humidity.

Incompatible Materials Contact with water should be avoided. Contact with water will result in hydration and produces (caustic) calcium hydroxide. It is incompatible with acids, ammonium salts and aluminium metal.

Hazardous Decomposition Products Minor ingredients could produce oxides of carbon or nitrogen in a fire.

Hazardous Reactions Wet portland cement is highly alkaline.

Hazardous Polymerization Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information Not available

Inhalation Irritating to respiratory system. Will irritate respiratory tract and may cause coughing and sneezing. Prolonged exposure to high dust concentrations may cause serious pulmonary disorders. Pre-existing upper respiratory and lung diseases may be aggravated by inhalation.

Ingestion Ingestion of this product may cause nausea, vomiting, abdominal pain and chemical burns to the mouth, throat and stomach.

Skin Irritating to skin. This may result in itching, redness and blisters. Wet product may cause more severe irritation. May cause an allergic response in some individuals resulting in symptoms such as rash and skin ulcers.

Eye Risk of serious damage to eyes. Eye contact will cause stinging, blurring, tearing, severe pain and possible permanent corneal damage.

Chronic Effects The product may contain crystalline silica as an impurity. Repeated, prolonged or concentrated inhalation of respirable crystalline silica dust may lead to silicosis, a serious lung disease. The onset of silicosis is usually slow and lung damage may occur even when no symptoms or signs of ill-health have occurred. Silicosis can develop to a more serious degree even after exposure has ceased, and may also lead to other diseases including heart disease and scleroderma. Repeated exposure may cause skin dryness and cracking. As long as material is used within shelf life sensitisation is not to be expected.

Carcinogenicity The product contains respirable crystalline silica. Crystalline silica has been classified by International Agency for Research on Cancer (IARC) as carcinogenic to humans by inhalation (Group 1) Furthermore, crystalline silica can cause silicosis or other lung diseases on prolonged exposure.

12. ECOLOGICAL INFORMATION

Ecotoxicity Not available

Persistence / Degradability Not available

Mobility Not available

Bioaccumulative Potential Not available

Environ. Protection Do not allow product to enter drains, waterways or sewers.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations Product Disposal:
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. The product should be rendered non-hazardous before being sent to a licensed landfill facility.
Do not dispose directly into the sewerage system. Do not discharge into drains

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or watercourses or dispose where ground or surface waters may be affected. 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.

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.

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	Road and Rail Transport (ADG Code):
	Australia: Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)
	New Zealand: Not classified as Dangerous Goods for transport according to the NZS 5433:2007 Transport of Dangerous Goods on Land.
	Marine Transport (IMO/IMDG): Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.
IMDG Marine Pollutant (MP)	Air Transport (ICAO/IATA):
	Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air. This material is not classified as a MARINE POLLUTANT according to the International Maritime Dangerous Goods (IMDG) Code.

15. REGULATORY INFORMATION

Regulatory Information	Australia:
	Classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.
Poisons Schedule	Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
	Not Scheduled
National and or International Regulatory Information	New Zealand:
	Classified as Hazardous according to the Hazardous Substances (Minimum degrees of hazards) Regulations 2001.
	Group standard:
HSNO Approval Number	Additives, Process Chemicals and Raw Materials (Subsidiary) Group Standard 2006
	HSR002503
Hazard Category	Irritant
AICS (Australia)	All components of this product are listed on the Australian Inventory of Chemical Substances (AICS), or otherwise are in compliance with the NICNAS requirements.

16. OTHER INFORMATION

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Date of preparation MSDS Reviewed: November 2011
or last revision of Supersedes: December 2006
MSDS
Contact Technical Support: 1800 812 864
Person/Point ...End Of MSDS...

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