

# Material Safety Data Sheet

Infosafe No. LPTEN Issue Date : December 2006 ISSUED by PARCHEMC

Product Name : **VANDEX BB 75Z**

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name** VANDEX BB 75Z  
**Company Name** Parchem Construction Products Pty Ltd (ABN 80 069 961 968)  
**Address** 7 Lucca Road Wyong  
NSW 2259 Australia  
**Emergency Tel.** 1800 638 556  
**Telephone/Fax Number** Tel:  
02 4350 5000  
Fax:  
02 4351 2024  
**Recommended Use** Waterproofing slurry  
**Other Information** This MSDS summaries 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 Products 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 term and conditions, a copy of which is sent to our customers and is also available upon request.  
[www.parchem.com.au](http://www.parchem.com.au)

## 2. HAZARDS IDENTIFICATION

**Hazard Classification** HAZARDOUS SUBSTANCE.  
NON-DANGEROUS GOODS.  
Hazard classification according to the criteria of NOHSC.  
Dangerous goods classification according to the Australia Dangerous Goods Code.  
**Risk Phrase(s)** 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.  
S37/39 Wear suitable gloves and eye/face protection.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>Ingredients</b>	<b>Name</b>	<b>CAS</b>	<b>Proportion</b>	<b>Hazard Symbol</b>	<b>Risk Phrase</b>
	Portland cement	65997-15-1	50-75 %		
	Ingredients determined not to be hazardous.		Balance		
<b>Other Information</b>	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.				

## 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. Wash out mouth 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.  
**Eye** If contact with the eye(s) occurs, wash with copious amounts of water holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. Seek immediate medical attention.  
**First Aid Facilities** Eye wash and normal washroom facilities.  
**Advice to Doctor** Treat symptomatically.

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## 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media** This product is not combustible. Use appropriate fire extinguisher for surrounding environment.

**Specific Hazards** Product is non-combustible. In contact with extinguishing water an alkaline solution is produced which can cause irritation.

**Hazchem Code** None Allocated

**Precautions in connection with Fire** Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode.

## 6. ACCIDENTAL RELEASE MEASURES

**Emergency Procedures** Increase ventilation. Wear sufficient respiratory protection and full protective clothing to minimise skin and eye exposure. Vacuum or sweep up material avoiding dust generation or dampen spilled material with water to avoid airborne dust. Seal all wastes in vapour tight labelled plastic containers for eventual disposal. Avoid uncontrolled contact with water. If this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling** Avoid generation of dusts. Label containers. Keep containers closed when not in use. Wear appropriate protective equipment to prevent inhalation, skin and eye contact. 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.

**Conditions for Safe Storage** Store in a cool, dry, well-ventilated area. Store protected from humidity in unopened, undamaged original packaging. Shelf life: 12 months. Store in labelled, corrosion-resistant containers. Keep containers tightly closed.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**National Exposure Standards** Exposure standard established for this material by the National Occupational Health & Safety Commission (NOHSC):

SUBSTANCE	TWA	STEL	NOTICES
Portland Cement	10 mg/m3	-	

Crystalline silica is present in portland cement as an impurity:

SUBSTANCE	TWA	STEL	NOTICES
Crystalline Silica	0.1 mg/m3	-	

**Biological Limit Values** No biological limit allocated.

**Other Exposure Information** TWA - the Time-Weighted Average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.  
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.  
According to current knowledge these concentrations should neither impair the health of, nor cause undue discomfort to, nearly all workers.  
These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. Exposure Standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.  
Cement products may contain crystalline silica as an impurity. Although present at below the 0.1% cut-off for carcinogenic risk, crystalline silica is classified as a Class 1 Human Carcinogen according to IARC (International Agency for Research on Cancer). Worksafe Australia has yet to classify crystalline silica as a human carcinogen.  
Repeated exposure to 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. Exposure to fine dust (respirable crystalline silica dust) contained in the products must be prevented to avoid risk of lung disease.

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<b>Engineering Controls</b>	Use with good general ventilation. If dusts are produced local exhaust ventilation should be used.
<b>Respiratory Protection</b>	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 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 Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.
<b>Eye Protection</b>	Safety glasses with side shields, goggles or full-face shield as appropriate recommended. 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.
<b>Hand Protection</b>	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.
<b>Body Protection</b>	Wear appropriate clothing including chemical resistant apron where clothing is likely to be contaminated. It is advisable that a local supplier of personal protective clothing is consulted regarding the choice of material.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance</b>	Grey powder.
<b>Odour</b>	Odourless
<b>Melting Point</b>	Not applicable
<b>Boiling Point</b>	Not applicable.
<b>Solubility in Water</b>	Up to 1.5g/l
<b>Specific Gravity</b>	1.4
<b>pH Value</b>	11-13.5
<b>Vapour Pressure</b>	Not applicable.
<b>Vapour Density (Air=1)</b>	Not applicable.
<b>Flash Point</b>	Not applicable.
<b>Flammability</b>	Non-combustible substance
<b>Auto-Ignition Temperature</b>	Not applicable
<b>Flammable Limits - Lower</b>	Not applicable
<b>Flammable Limits - Upper</b>	Not applicable

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## 10. STABILITY AND REACTIVITY

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<b>Chemical Stability</b>	Stable under normal conditions.
<b>Conditions to Avoid</b>	Avoid contact with humidity. Contact with water will result in hydration and produces (caustic) calcium hydroxide.
<b>Incompatible Materials</b>	Contact with water should be avoided. Wet portland cement is alkaline. As such, it is incompatible with acids, ammonium salts and aluminium metal.
<b>Hazardous Reactions</b>	Contact with water should be avoided. Wet portland cement is alkaline.
<b>Hazardous Polymerization</b>	Will not occur.

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## 11. TOXICOLOGICAL INFORMATION

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<b>Toxicology Information</b>	No toxicity data is available for this specific product.
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<b>Inhalation</b>	Irritating to respiratory tract. Exposure may cause irritation to the moist mucous membranes of the nose, throat and upper respiratory system. Pre-existing upper respiratory and lung diseases may be aggravated by inhalation.
<b>Ingestion</b>	Ingestion of this product may cause nausea, vomiting, abdominal pain and chemical burns to the mouth, throat and stomach.
<b>Skin</b>	Irritating to skin resulting in redness and itching.
<b>Eye</b>	Risk of serious damage to eyes. Eye contact will cause stinging, blurring, tearing, severe pain and possible permanent corneal damage.
<b>Chronic Effects</b>	Prolonged or repeated skin contact may cause dermatitis due to defatting effect. As long as material is used within shelf life sensitisation is not to be expected.
<b>Other Information</b>	This product may contain crystalline silica as an impurity. Although present at below the 0.1% cut-off for carcinogenic risk, crystalline silica is classified as a Class 1 Human Carcinogen according to IARC (International Agency for Research on Cancer). Worksafe Australia has yet to classify crystalline silica as a human carcinogen. Repeated exposure to 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. Exposure to fine dust (respirable crystalline silica dust) contained in the products must be prevented to avoid risk of lung disease.

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## 12. ECOLOGICAL INFORMATION

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<b>Ecotoxicity</b>	No data is available for this material.
<b>Persistence / Degradability</b>	No data is available for this material.
<b>Mobility</b>	No data is available for this material.
<b>Environ. Protection</b>	Eco-toxicological effect only possible in case of unintended release of big quantities in contact with water due to increased ph value. Do not allow product to enter drains, waterways or sewers.

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## 13. DISPOSAL CONSIDERATIONS

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<b>Disposal Considerations</b>	Disposal should be in accordance with the relevant local, state and federal government regulations. Dispose of packaging/containers according to local, state and federal regulations.
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## 14. TRANSPORT INFORMATION

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<b>Transport Information</b>	Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
<b>U.N. Number</b>	None Allocated
<b>Proper Shipping Name</b>	None Allocated
<b>DG Class</b>	None Allocated
<b>Hazchem Code</b>	None Allocated
<b>Packing Group</b>	None Allocated

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## 15. REGULATORY INFORMATION

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<b>Poisons Schedule</b>	Not Scheduled
<b>Hazard Category</b>	Irritant

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## 16. OTHER INFORMATION

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<b>Date of preparation or last revision of MSDS</b>	MSDS Reviewed: December 2006 MSDS Superseded: September 2004
<b>Contact Person/Point</b>	Technical Support: 1800 812 864 ...End Of MSDS...

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