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MATERIAL SAFETY DATA SHEET (MSDS)

PRODUCT: VENETO 826 MINERAL COLOURED FINISHES

DATE OF ISSUE: NOVEMBER 2008

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

PRODUCT INFORMATION

Trade name: Veneto 826 Mineral Coloured Finishes
(range of exterior wall finishes)

Company: Unitex Granular Marble Pty Ltd
22 Park Drive
Dandenong, Vic 3175
Australia

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Use of the Product: exterior pigmented finish for walls

2. HAZARDS IDENTIFICATION

Classified as hazardous according to the criteria of ASCC

Not classified as dangerous goods according to the Australian Code for Transport of Dangerous Goods.

This product contains Portland cement which is classified as hazardous.

Risk phrases for Portland cement

R36/37/38	Irritating to eyes, respiratory system and skin
R40	Possible risk of irreversible effects
R43	May cause sensitization by skin contact
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation

Safety phrases for Portland cement

S22	Do not breathe dust
S24/25	Avoid contact with skin and eyes
S36/37	Wear suitable protective clothing and gloves

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Proportion
Portland cement	65997-15-1	38 - 48 %
Sand		< 70 %
Inorganic oxide pigments		< 10 %
Organic additives	Proprietary	< 5 %

The chemical composition of the product is essentially oxides of various elements, the most prevalent being oxides of calcium Ca, silicon Si, aluminium Al, chromium Cr (mostly as insoluble non-bioavailable Cr III but it is possible that water soluble bio-available Cr VI could be present at concentrations of less than 10 ppm). Pigment contents vary depending on the shade but involve oxides containing titanium Ti, iron Fe and chromium III (no Cr VI !). Trace amounts of oxides of magnesium Mg, potassium K and phosphorus P may also be present. As cement is a blended product, crystalline silica at levels less than 0.1 % may be present.

4. FIRST AID MEASURES

Inhaled

Health effects: Repeated inhalation of concrete dust may cause bronchitis, silicosis and lung cancer.

First Aid: Remove from area. Keep at rest. Seek medical advice if symptoms persist.

Skin

Health effects: Irritating and drying to skin. Wet mortar is irritating and corrosive to skin and may cause skin sensitization (dermatitis). There may be a trace of hexavalent chromium present in Portland cement which may cause allergic dermatitis in some individuals.

First Aid: Wash with tepid soapy water; shower if necessary.

Eyes

Health effects: Irritating and corrosive to the eyes. May cause chemical conjunctivitis, redness, watering and damage to the cornea.

First Aid: Flush eyes with tepid running water for at least 15 minutes, removing any foreign bodies. Seek medical attention if symptoms persist.

Swallowed

Health effects: Is mildly abrasive and corrosive and may cause nausea/stomach cramps/constipation.

First Aid: Rinse mouth with milk or water. DO NOT give carbonated (fizzy) drinks. DO NOT induce vomiting. After rinsing the mouth, give copious quantities of milk or water to drink. If symptoms persist, seek medical attention.

Advice to Doctor: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Hazchem Code:	None allocated
Flammability:	Not flammable
Extinguishing Media:	Not flammable
Hazards from combustion products:	Not flammable
Special protective precautions and equipment for Fire Fighters:	None

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Skin

Wear loose comfortable protective clothing and impervious boots. Apply barrier creams to hands or wear gloves (AS 2161). Wash thoroughly after handling. Wash clothes regularly and keep separate from other clothes.

Eyes

Safety spectacles with side shields or safety goggles (dust resistant AS/NZS 1336) should be worn if dust is likely to be generated.

Respiratory

If dust is generated, wear a class P1 or P2 particulate respirator (AS/NZS 1715 & 1716). Use only respirators which bear the Australian Standards mark and are fitted correctly. Note that persons with facial hair will have difficulty in obtaining a satisfactory face seal. For alternatives, see AS/NZS 1715: Selection and Use of Respiratory Protective Devices.

Environmental Precautions

Prevent material from entering drains and/or waterways

Methods for cleaning up

Follow safety requirements for personal skin, eye and respiratory protection. Spills should be cleared by any dry method such as broom, shovel or vacuum taking care to minimise dust generation.

7. HANDLING AND STORAGE

Safe handling advice

Provide good ventilation or extraction.

Wear personal protective equipment.

Veneto 826 Mineral Coloured Finishes are supplied in 20 kg plastic pails. Manual handling of this product is not recommended as this may result in personal injury. If no mechanical aids are available, a pail of this weight may be lifted and carried by 2 persons.

Advice on protection against fire and explosion

No special protective measures against fire required.

Storage

Veneto 826 Mineral Coloured Finishes should be stored in a dry place, in the original pails.

Avoid moisture to prevent hardening.

Drivers of trucks transporting Veneto 826 Mineral Coloured Finishes should ensure that the pails are correctly restrained on a pallet.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Veneto 826 Mineral Coloured Finishes are supplied as a dry powder. Prior to application, the powder is mixed with water and mixed to a consistent slurry and is then trowel or spray applied onto masonry surfaces such as walls. As Veneto 826 Mineral Coloured Finishes contain Portland cement as a component, and as Portland cement is classed as a Hazardous, Non-Dangerous product, the Precautions for Use of Veneto 826 Mineral Coloured Finishes are the same as for Portland cement.

Wet Portland cement, particularly in plastic (unhardened) concrete, mortar or slurry, can dry the skin and cause alkali burns. Continued exposure to individuals who are allergic to chromium, could cause severe allergic dermatitis.



For powder Portland cement, keep exposure to dust as low as possible. If inspirable dust levels are kept below 2 mg/m³, health problems such as skin, eye and respiratory irritation will be minimised.

Respirable crystalline silica (quartz) exposure limits should be kept below 0.1 mg/m³ TWA. Avoid repeated skin contact with wet concrete and dry and wet cement.

Engineering Controls

Avoid generating dust. All work with cement should be carried out in such a way as to minimise exposure to dust and repeated skin contact. Where dust could be generated whilst handling cement, use local mechanical ventilation or extraction in areas where dust could escape into the work environment. For bulk deliveries, closed pumping systems are recommended. For handling of individual bags, follow personal protection instructions below if no local exhaust ventilation is available.

Work areas should be cleaned regularly by wet sweeping or vacuuming. If generating dust cannot be avoided, see personal protection recommendations below.

Ventilation

Where practical, suitable means of dust collection/suppression should be applied as necessary to maintain acceptable airborne dust levels.

Persons with a history of respiratory illness or reduced pulmonary function should avoid work places with high dust levels.

8.1 Personal Protection

Skin

Wear loose comfortable protective clothing and impervious boots. Apply barrier creams to hands or wear gloves (AS 2161). Wash thoroughly after handling. Wash clothes regularly and keep separate from other clothes.

Eyes

Safety spectacles with side shields or safety goggles (dust resistant AS/NZS 1336) should be worn if dust is likely to be generated.

Respiratory

If dust is generated, wear a class P1 or P2 particulate respirator (AS/NZS 1715 & 1716). Use only respirators which bear the Australian Standards mark and are fitted correctly. Note that persons with facial hair will have difficulty in obtaining a satisfactory face seal. For alternatives, see AS/NZS 1715: Selection and Use of Respiratory Protective Devices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	Powder
Colour	variety of earthy tones
Odour	nil

Safety data

Boiling Point/Melting Point (°C):	Not Applicable
Vapour Pressure:	Not Applicable
% Volatiles:	Not Applicable
Specific Gravity:	approximately 2.5-3.0 g/cm ³
Bulk Density:	0.7 ±0.1 litre/kg
Auto Ignition Temperature:	Not Applicable

10. STABILITY AND REACTIVITY

Chemical Stability	Chemically stable
Conditions to avoid	Keep in moisture proof containers to prevent hardening
Incompatible materials	Will harden in moist conditions
Hazardous Decomposition Products	None
Hazardous Reactions	None with the normal range of industrial materials

11. TOXICOLOGICAL INFORMATION

Health effects from the likely routes of exposure	Refer Section 4: FIRST AID MEASURES
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12. ECOLOGICAL INFORMATION

Ecotoxicity	Product may be eco damaging as it can form an alkaline slurry with water
Persistence & degradability	Product would be persistent and have a low degradability
Mobility	A low mobility would be expected in a landfill setting

13. DISPOSAL CONSIDERATIONS

Disposal methods	Follow safety requirements indicated in Section 6. Collect in containers and dispose as trade waste in accordance with local authority guidelines.
Special considerations for landfill or incineration	Avoid generating dust during disposal

14. TRANSPORT INFORMATION

UN Number	None allocated
UN Proper Shipping Name	None allocated
Class & Subsidiary Risk	Not applicable
Packaging Group	None allocated
Special Precautions for use	Avoid generating and breathing dust
Hazchem Code	None allocated

15. REGULATORY INFORMATION

Australian Legislation	Hazardous according to criteria of ASCC. (contains cement)
Poison schedule	Not scheduled
Registration	
Australia (AICS)	Listed/registered
New Zealand (ERMA)	Listed/registered



16. OTHER INFORMATION

Date prepared November 2008

This information contained herein relates only to the specific material identified. Unitex Granular Marble Pty Ltd believes that such information is accurate and reliable as of the date of this material safety data sheet, but no representation, guarantee or warranty, expressed or implied, is made to the accuracy, reliability or completeness of the information.

Unitex urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.