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Material Safety Data Sheet

PRODUCT: Unitex® Uni-Flex Membrane

DATE OF ISSUE: 8th July 2015

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Information

Trade name: **Unitex® Uni-Flex Membrane**

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

Telephone: +61 3 9768 4900
Telefax: +61 3 9768 4999

Emergency telephone Number: +61 3 9768 4900 (BH)

Use of the Product: water based applied acrylic finish for walls

2. HAZARDS IDENTIFICATION

Not classified as hazardous according to the criteria of NOHSC.

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

UN Number: Not Applicable

Hazchem Code: Not Applicable

Poisons Code: Not Applicable

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Non Hazardous Ingredients | CAS Number | Proportion |
|------------------------------|-------------|------------|
| Water | 7732-18-5 | 5-8 % |
| Acrylic Emulsion Polymer | proprietary | 45-50 % |
| Pigments | proprietary | 40-45 % |
| Organic functional additives | proprietary | 4-5 % |

MATERIAL SAFETY DATA SHEET

CLADDING | RENDERS | TEXTURES | MOULDINGS + COLUMNS | ACCESSORIES
Unitex Granular Marble Pty Ltd ACN 005 995 611 ABN 42 087 324 477
Unitex Render Warehouse (SA) Pty Ltd ACN 601 059 929 ABN 96 601 059 929



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4. FIRST AID MEASURES

Inhalation

Remove victim from area of exposure – avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Skin Contact

If skin contact occurs, remove contaminated clothing and wash skin with running water. If irritation occurs, seek medical advice.

Eye Contact

If in eyes, wash out immediately with water. In all cases of eye contamination, it is a sensible precaution to seek medical advice.

Ingestion

Rinse mouth with water. If swallowed, give a glass of water to drink. Seek medical advice.

Advice to Doctor

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Hazards from combustion products

Not combustible, however following evaporation of the water component of the material, the residual material can burn if ignited. On burning, toxic fumes may be emitted.

Precautions for fire fighters and special protective equipment

Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

Suitable Extinguishing Media

Not combustible. However, if material is involved in a fire, use fine water spray, normal foam or dry agents such as carbon dioxide or dry chemical powder.

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.

Environmental Precautions

Prevent material from entering drains and/or waterways

Emergency procedures

If contamination of sewers or waterways has occurred, advise local emergency services.

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Methods and materials for containment and clean-up.

Small spills: Slippery when wet, sticky when partially dry. Avoid accidents. Clean up immediately. Collect in a container for disposal via special chemical waste collection.

Large spills: Slippery when wet, sticky when partially dry. Avoid accidents. Clean up immediately. Contain the spill to prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labeled containers or drums for disposal.

Caution: Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

7. HANDLING AND STORAGE

Storage Conditions: Store in a cool place and out of direct sunlight. Keep containers closed when not in use – check regularly for leaks. Keep from freezing as material may coagulate. The minimum recommended storage temperature for this material is 1°C. The maximum recommended storage temperature for this material is 49°C.

Safe handling advice

Provide good ventilation or extraction.

Wear personal protective equipment.

Uni-Flex Membrane White is supplied in 15 litre pails with a weight of approx 20 kg.. Manual handling of this product is not recommended as this may result in personal injury. If no mechanical aids are available, a pail may be lifted and carried by 2 persons. Ensure that each has been trained in how to share the pail weight and move this type of pail.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

None.

Ventilation

Provide adequate ventilation. If using indoors, keep windows and doors open during use. Keep containers closed when not in use.

Personal Protection

Overalls, Safety shoes, safety glasses, gloves

Protective Equipment:

Respiratory Protection:

None required under normal operating conditions. When mist occurs during spraying operations, wear a AS1716 approved (or equivalent) disposable half-mask, dust/mist respirator.

Eye Protection: Use chemical splash goggles (AS1337 or approved equivalent).

Hand Protection: Use neoprene gloves. Gloves of other chemically-resistant materials may not provide adequate protection.

Manufacture, Packaging and Transport

Wear overalls, safety glasses and impervious gloves. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

| | |
|--------|------------------|
| Form | Liquid |
| Colour | White |
| Odour | faintly aromatic |

Physical data

| | |
|----------------------------|-----------------------------|
| Boiling Point | 100 °C |
| Melting Point (°C): | 0 °C |
| Vapour Pressure: | not applicable |
| % Volatiles: | 30 – 33 % |
| pH value | 8 – 10 |
| Specific Gravity: | 1.2 – 1.5 g/cm ³ |
| Bulk Density: | Not applicable |
| Auto Ignition Temperature: | Not Combustible |

10. STABILITY AND REACTIVITY

| | |
|------------------------------|--|
| Chemical stability: | stable under normal conditions of use |
| Conditions to avoid | avoid swallowing. Avoid contact with foodstuffs |
| Thermal decomposition | no decomposition if used correctly |
| Hazardous reactions | no hazardous reactions when stored and handled according to instructions |

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if this product is handled in accordance with this Safety Data Sheet. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion

Symptoms due to the presence of the Non-Hazardous Components in this product would only be seen if unusually large amounts (approx 50 litres) are ingested in one sitting. Before then, nausea and vomiting would occur.



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Eye contact

May be an eye irritant

Skin contact

If the product adheres to the skin, irritation may occur if it dries.

Inhalation

Where this material is used in poorly ventilated areas, at elevated temperatures or in confined spaces, vapour may cause irritation to mucous membranes of the respiratory tract, headaches and nausea.

Other relevant toxicity information:

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The statement was derived from products of similar composition.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxicity to fish: LC50 (96 h) > 100 mg/l, Brachydanio rerio

Aquatic invertebrates: EC50 (48 h) > 100 mg/l, Daphnia magna

Aquatic plants: EC50 (72 h) > 100 mg/l, Scenedesmus subspicatus, normal concentration

Micro-organisms / Effect on activated sludge: EC20 (0.5 h) > 100 mg/l

It is not expected that the degradation activity of activated sludge would be inhibited when the product is introduced to biological treatment plants at low concentrations.

Persistence and degradability

The product can be virtually eliminated from water by abiotic processes, e.g. adsorption onto activated sludge.

Elimination information: > 70 % DOC reduction. Easily eliminated from water.

Bioaccumulation potential: based on its structural properties, the polymer is not biologically available. Accumulation in organisms is not to be expected.

Additional information

Do not release into natural waters. At the present state of knowledge, no negative ecological effects are expected.

13. DISPOSAL CONSIDERATIONS

Disposal methods Must be dumped or incinerated in accordance with local authority guidelines.

14. TRANSPORT INFORMATION

Road and Rail transport

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

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NON DANGEROUS GOODS

Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

NON DANGEROUS GOODS.

Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

NON DANGEROUS GOODS

15. REGULATORY INFORMATION

| | |
|-------------------------------|--|
| Australian Legislation | Non-Hazardous according to criteria of NOHSC.. |
| Poison schedule | Not listed |
| Registration | |
| Australia (AICS) | Listed/registered |
| New Zealand (ERMA) | Listed/registered |

16. OTHER INFORMATION

Date amended and issued 8th July 2015

Prepared in accordance with the National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition (NOHSC: 2011 (2003))

END OF REPORT

This information contained herein relates only to the specific material identified. Unitex GranularMarble 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.

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