



Unitex
22 Park Drive
Dandenong VIC 3175

Phone: (03) 9768 4900
Fax (03) 9768 4999
www.unitex.com.au

Unitex (NSW)
14 Artisan Road
Seven Hills NSW 2147

Phone: (02) 9838 0911
Fax (02) 9838 9555
www.unitex.com.au

URW (Oakleigh)
1346 North Road
Oakleigh VIC 3167

Phone: 1800 RENDER
Fax (03) 9544 3620
www.render.com.au

URW (SA)
2/54-56 Cavan Road
Dry Creek SA 5094

Phone: 1800 RENDER
Fax (08) 8262 7922
www.render.com.au

Safety Data Sheet

Hazardous Substance, NON-Dangerous Goods

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product Information

Trade name: Unitex® UPC 200

Company Unitex Australia 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 patching compound for moulded concrete shapes.

2. HAZARDS IDENTIFICATION

This material is hazardous according to the health criteria of Safe Work Australia



Signal Word
Danger

Hazard Classification
Skin Corrosion/Irritation – Category 2
Serious Eye Damage/Irritation – Category 1
Carcinogenicity – Category 1A
Specific Target Organ Toxicity (Single Exposure) – Category 3

Hazard Statements
H315 Causes skin irritation
H318 Causes serious eye damage
H335 May cause respiratory irritation
H350 May cause cancer



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Prevention Precautionary Statement(s)

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
P261	Avoid breathing dust
P264	Wash hands, face and all exposed skin thoroughly after handling
P271	Use only outdoors or in a well ventilated area.
P281	Use personal protective equipment as required

Response Precautionary Statement(s)

P101	If medical advice is needed, have product container or label at hand
P312	Call a POISON CENTRE or doctor/physician if you feel unwell
P302+P352	IF ON SKIN: Wash with soap and water
P362	Take off contaminated clothing and wash before re-use
P332+P313	If skin irritation occurs: Get medical advice/attention
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

Storage Precautionary Statement(s)

P405	Store locked up
P403+P233	Store in a well ventilated place. Keep container tightly closed

Disposal Precautionary Statement(s)

P501	Dispose of contents/container in accordance with local, regional, national and international regulations.
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Poisons Schedule (Aust): Not applicable

DAINGEROUS GOODS CLASSIFICATION

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail".

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Proportion
Portland cement	65997-15-1	72 - 81 %
Crystalline silica, respirable	14808-60-7	< 0.1 %
Ingredients determined to be non-hazardous		Balance

4. FIRST AID MEASURES

4.1 Health Effects

If poisoning occurs, contact a doctor or Poisons Information Centre (in Australia, call 131 126).



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Swallowed

Health effects Is mildly abrasive and corrosive and may cause nausea/stomach cramps/constipation. Unlikely under normal conditions of use.

First Aid: Rinse mouth with milk or water. DO NOT give carbonated (fizzy) drinks. DO NOT induce vomiting. After rinsing the mouth, give plenty of water to drink. If symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

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.

Skin Health effects: Irritating and drying to skin – can result in irritant dermatitis from mechanical abrasion. Wet render 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.

Inhaled

Health effects: Irritating to the nose, throat and respiratory tract causing coughing and sneezing. Repeated inhalation of the dust may cause bronchitis.

First Aid: Remove to fresh air. Keep at rest. Seek medical advice if symptoms persist.

4.2 Chronic Health Effects

Repeated inhalation of dust may cause bronchitis. It may also increase the risk of scleroderma (a disease affecting the connective tissue of the skin, joints, blood vessels and internal organs).

Advice to Doctor

Treat symptomatically.

Aggravated Medical Conditions Caused by Exposure

Studies have shown that smoking increases the risk of bronchitis. It is recommended that all storage and work areas should be smoke free zones.

5. FIRE-FIGHTING MEASURES

Hazchem Code	None allocated
Flammability	Not flammable
Extinguishing media	None required
Hazards from combustion products	None – does not decompose on heating



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**Special Protective Precautions
& Equipment for Fire Fighters**

None

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

Avoid generating and breathing dust. If dust is generated, wear a class P1 or P2 particulate respirator (AS/NZS 1715, 1716).

Containment Procedures

A fine water spray should be used to suppress dust when sweeping.

Clean-up Procedures

Work areas should be cleaned regularly by wet sweeping or vacuuming. If dust generation cannot be avoided, follow PERSONAL PROTECTION recommendations.

7. HANDLING AND STORAGE

Safe handling advice

Provide good ventilation or extraction.

Wear personal protective equipment.

Unitex® UPC 200 is packed in 1 litre plastic pails. There are no special provisions for lifting these sacks.

Use local mechanical ventilation or extraction in areas where dust could escape into the work environment.

Personal safety requirements are outlined in Section: Exposure Control / Personal Protection.

Advice on protection against fire and explosion

No special protective measures against fire required.

Storage

Unitex® UPC 200 should be stored in a dry place, in the original plastic pails. Avoid moisture to prevent hardening.

Drivers of trucks transporting Unitex® UPC 200 should ensure that the plastic pails are correctly restrained on a pallet.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION



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8.1 Exposure Limits

Unitex® UPC 200 is supplied as a blended dry powder. Prior to application, the powder is mixed with water with a mechanical stirrer to a smooth consistency and is then troweled onto moulded cement profiles and other building products such as lightweight concrete block-work and panels. As Unitex® UPC 200 contains Portland cement as a major component, it is classed as a Hazardous, Non-Dangerous product.,

For the blended, dry powder, the National Exposure Standard from Worksafe Australia is:

Total dust, containing no asbestos and < 1 % crystalline silica, Threshold Limit Value (TLV) Time Weighted Average (TWA) 10 mg/m³ measured as respirable dust.

Crystalline silica (quartz): 0.2 mg/m³ TWA as respirable dust (< 7 micron particle equivalent aerodynamic diameter).

Respirable crystalline silica (quartz) exposure levels should be kept below a recommended upper threshold limit of 0.05 mg/m³ TWA.

However, where a State or Territory prescribes a lower exposure standard, the lower exposure standard applies.

When wet, Unitex® UPC 200, particularly in slurry form, 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.

8.2 Engineering Controls

Avoid generating dust. All work with Unitex® UPC 200 should be carried out in such a way as to minimize exposure to dust and repeated skin contact. Where dust could be generated whilst handling the product, use local mechanical ventilation or extraction in areas where dust could escape into the work environment.

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

8.3 Ventilation

Where practical, the workplace should be well ventilated with suitable means of dust collection/suppression equipment so as 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.

8.4 Personal Protection

Skin

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



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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). 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 maintenance of Respiratory Protective Devices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	Powder
Colour	Off-White to Grey
Odour	nil
pH	alkaline slurry formed with water
Density	approx 1.3 – 1.8 g/cm ³
Boiling point	not applicable
Freezing/Melting point	> 1400 °C
Vapour density	not applicable
Vapour pressure	not applicable
Solubility	essentially insoluble, however, some components are slightly soluble in water forming an alkaline (caustic) product
Flash point	not applicable
Ignition temperature	not applicable
Additional Information	Respirable Fraction: approx 5-10 % of particles are below 7 microns in diameter (in the respirable range)

10. STABILITY AND REACTIVITY



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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	Avoid reaction with hydrogen fluoride (hydrofluoric acid) and other fluorine containing compounds

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	No information available. 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	No information available. A low mobility would be expected in a landfill setting

13. DISPOSAL CONSIDERATIONS

Disposal Methods & Containers	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.



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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 Safe Work Australia
Poison schedule	Not listed
Registration	
Australia (AICS)	Listed/registered
New Zealand (ERMA)	Listed/registered

16. OTHER INFORMATION

Date amended and issued; 28th June 2021
Replaced issue of; 19th August 2016

Prepared in accordance with the Safe Work Australia national model "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals" (July 2020)

END OF REPORT

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



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