



ALSAFE PRE-MIX

# Chem Alert Report

Product Name

**CONCRETE****Ingredient**

SILICA, CRYSTALLINE - QUARTZ  
GRAVEL  
WATER  
PORTLAND CEMENT

**Conc.**

30 - 60%  
30 - 60%  
1 - 10%  
10 - 30%

**CAS No.**

14808-60-7  
Not Available  
7732-18-5  
65997-15-1

**Synonyms****CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA**

GROUT, MORTAR, PRE-MIXED CONCRETE, READY-MIXED CONCRETE.

**Appearance**

MOULDABLE PLASTIC MIXTURE

**Odour**

ODOURLESS

**Use(s)**

CONCRETE.

**Supplier**

BORAL CONCRETE Ph: 02 9688 9700 Emerg. Ph: 02 9688 9746

**Stock No.**

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**Poison Sched**

None Allocated

**Hazchem** None Allocated**UN No.** None Allocated**D.G Class** None Allocated**Pkg Group**

None Allocated

**EPG** None Allocated**Sub/Tert Risk** None Allocated**HEALTH HAZARDS****Health Hazard****Summary**

Slightly corrosive. Use safe work practices to avoid eye or skin contact and dust generation or inhalation. Once water is added, an inhalation hazard is not anticipated. Hexavalent chromium compounds may be present in trace levels in cement products. Both crystalline silica and hexavalent chromium are classified as carcinogenic to humans (IARC Group 1).

**Eye**

Slightly corrosive - irritant. Exposure may result in lacrimation, pain, redness and possible corneal burns with prolonged contact.

**Inhalation**

Slightly corrosive. Over exposure may result in severe mucous membrane irritation & bronchitis. Hexavalent chromium is reported to cause respiratory sensitisation, however due to the trace amount present, a hazard is not anticipated under normal conditions of use.

**Skin**

Slightly corrosive. Prolonged and repeated contact with powder or wetted form may result in skin rash, dermatitis and sensitisation.

**Ingestion**

Slightly corrosive. Ingestion may result in burns to the mouth and throat, with vomiting and abdominal pain. Due to product form, ingestion is not considered a likely exposure route.

**PRECAUTIONS****Flammability**

Non flammable. No fire or explosion hazard exists.

**Reactivity**

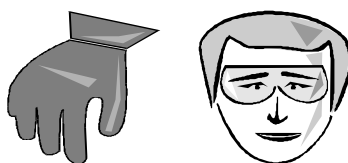
Incompatible with oxidising agents (eg hypochlorites), ethanol, acids (eg hydrofluoric acid) and interhalogens (eg chlorine trifluoride). Water contact may increase product temperature 2-3 C.

**Ventilation**

Do not inhale dust/ powder. Use with adequate natural ventilation. Where a dust inhalation hazard exists, mechanical extraction ventilation is recommended.

**PERSONAL PROTECTIVE EQUIPMENT****PPE**

Wear dust-proof goggles and PVC or rubber gloves. When using large quantities or where heavy contamination is likely, wear coveralls. Where an inhalation risk exists, wear a Class P1 (Particulate) Respirator. At high dust levels, wear a Powered Air Purifying Respirator (PAPR) with Class P3 (Particulate) filter or a Class P3 (Particulate) respirator.



Colour  
Rating  
**AMBER**



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Product Name

**CONCRETE**

## FIRST AID

- Eye** Hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre, or for at least 15 minutes.
- Inhalation** If exposure occurs leave exposure area immediately. If irritation persists, seek medical attention.
- Skin** Remove contaminated clothing and gently flush affected areas with water. Seek medical attention if irritation develops. Launder clothing before reuse.
- Ingestion** For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor. If swallowed, do not induce vomiting.

## SAFE HANDLING

- Storage** Store in cool, dry, well ventilated area, removed from moisture, oxidising agents (eg. hydrogen fluoride, phosphorus oxide), acids, ethanol, interhalogens (eg. chlorine trifluoride) and foodstuffs. Ensure packages are adequately labelled, protected from physical damage and sealed when not in use.
- Waste Disposal** Reuse or recycle where possible. Alternatively, ensure product is covered with moist soil to prevent dust generation and dispose of to an approved landfill site. Contact the manufacturer for additional information.
- Transport** Not regulated for transport purposes.

## EMERGENCY

- Spillage** If spilt (bulk), contact emergency services if appropriate. Wear dust-proof goggles, PVC/rubber gloves, a Class P1 (Particulate) respirator (where an inhalation risk exists), coveralls and rubber boots. Clear area of all unprotected personnel. Prevent spill entering drains or waterways. Collect and place in sealable containers for disposal or reuse. Avoid generating dust.
- Fire and Explosion** Non flammable. No fire or explosion hazard exists.
- Extinguishing** Non flammable.

## PHYSICAL AND CHEMICAL PROPERTIES

**Flammability:** NON FLAMMABLE  
**Boiling Point:** NOT AVAILABLE  
**Exposure Standard:** 0.2 mg/m<sup>3</sup> Silica quartz  
**pH:** 12 - 13  
**Specific Gravity:** NOT AVAILABLE  
**Vapour Pressure:** NOT AVAILABLE  
**Lower Explosion Limit:** NOT RELEVANT

**Flash Point:** NOT RELEVANT  
**Melting Point:** NOT AVAILABLE  
**Evaporation Rate:** NOT AVAILABLE  
**% Volatiles:** NEGLIGIBLE  
**Solubility (water):** INSOLUBLE  
**Upper Explosion Limit:** NOT RELEVANT

**AMBER****Page 2 of 2**Last Reviewed : 03/07/2002  
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