

Material Safety Data Sheet

The logo for Supercrete, featuring the word "Supercrete" in white, bold, sans-serif font on a red rectangular background.

Autoclaved Aerated Concrete - MSDS

1.0 - Product and Company Information

Supercrete™ Autoclaved Aerated Concrete (AAC), a lightweight reinforced aerated concrete building product for commercial, industrial and residential applications.

Superbuild International Ltd
PO Box 2398
Dunedin
New Zealand

Phone : +64 3 455 1502
Email : info@superbuild.co.nz

National Poisons Centre
0800 POISON - 0800 764 766
www.poisons.co.nz

2.0 - Composition/Information on Ingredients

Chemical Name	Weight (%)
$5\text{CaO} \cdot 6\text{SiO} \cdot 5\text{H}_2\text{O}$	Approximately 70%
SO_2	Approximately 25%
CaSO_4	Approximately 5%

3.0 - Hazard Identification

Risk phase:

Irritating to respiratory system.

Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Safety phase:

Do not breathe dust.

Emergency overview:

Not explosive, not a fire hazard.

Primary routes of entry and potential health effects;

Inhalation

Acute effects - Dust may cause irritation of the nose, throat and airways, resulting in coughing and sneezing. Certain susceptible individuals may experience wheezing (spasms of the bronchial airways) on inhaling dust during sanding or sawing operations.

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Ingestion

Unlikely under normal conditions of use, but swallowing the dust from this product may result in irritation or damage to the mouth and gastrointestinal tract due to alkalinity and fine particle size of the dust.

Eye

Dust may irritate the eyes from mechanical abrasion causing watering and redness.

4.0 - First Aid Measures

Signs and symptoms of overexposure:

Breathlessness, wheezing, cough, sputum production.

First Aid;

Eye Contact

Immediately flush eyes with plenty of water at least 15 minutes.
Seek medical attention if irritation persists.

Inhaled

Remove to fresh air. If shortness of breath or wheezing develops, seek medical attention.

Ingested

If swallowed, drink large amounts of water. Do not induce vomiting. Call a physician.

Note to Physician

Treat symptomatically. Treatment may vary with condition of victim and specifics of incident.

5.0 - Fire Fighting Measures

Fire & Explosion Hazard:

- | | |
|-------------------------------------|--|
| 1. Flash point: | Not applicable. Non-combustible material |
| 2. Auto-ignition: | Not applicable. Non-combustible material |
| 3. Non-flammable and non-explosive: | Not applicable. Non-combustible material |

Extinguishing Media:

This material is not combustible. Appropriate extinguishing media (carbon dioxide, foam, water or dry chemical) for surrounding fire should be used.

6.0 - Accidental Release Measures

Spills:

Wear appropriate protective equipment and a particulate respirator when dust is present.

Large spills:

Do not allow the product to enter drains, sewers or water ways.
Sweep up spills and contain.

Disposal:

Dispose of waste at an approved waste disposal facility.

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7.0 - Handling and Storage

Handling:	Measures to prevent fire and explosion: No special measures required.
Storage:	Do not contaminate drinking water, food or feed by storage or disposal.

8.0 - Exposure Controls/Personal Protection

Ventilation:	In processes where dust may be generated, proper ventilation must be provided in accordance with good ventilation practices.
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Personal protective equipment;

Eye Protection:	Safety Goggles.
Hand Protection:	PVC Gloves.
Skin and body protection:	Protective clothing, PVC apron and boots.
Respiratory protection:	Approved particulate respirator for when dust may be generated.

9.0 - Physical and Chemical Properties

Appearance:	Flat
Colour:	White
Odour:	Odourless
pH:	9~10
Melting point:	Not available
Boiling point:	Not available
Consistency(water=1):	Not available
Vapour Density(Air=1):	Not available
Vapour pressure:	Not available
Octanol/water distribution coefficient:	Not available
Flash point(°C):	Not available
Ignition Temperature(°C):	Not available
Explosion Limits Lower:	Not available
Explosion Limits Upper:	Not available
Critical Temperature(°C):	Not available
Critical pressure(MPa):	Not available
Solubility:	Insoluble

10.0 - Stability and Reactivity

Chemical Stability:	Stable and non-reactivity
Conditions to Avoid:	Excessive dust generation during storage and handling
Incompatibility with various substances:	Specific materials/conditions to avoid
Hazardous Decomposition Products:	Not occurring
Hazardous Polymerization:	Not occurring

11.0 - Toxicological Information

Health Effects;	
Swallowed:	May be harmful if swallowed

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Eye:	May cause physical irritation to eye
Skin:	May cause a slight irritation
Inhaled:	May cause irritation if inhaled
Sensitisation rate:	Not available
Teratogenicity:	No information found

12.0 - Ecological Information

Ecological toxicity:	No data available for this product
Ecological degradation:	No data available for this product
Abiology degradation:	No data available for this product
Other harmful information:	None available

Avoid losses to the environment.

13.0 - Disposal Considerations

Disposal:	Recycle, if possible. Consult your local or regional authorities for disposal options. Dispose of materials in compliance with governmental regulations.
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14.0 - Transport Regulations

Not a hazardous material for DOT shipping.

UN:	None
Packaging sign:	None
Packaging Category:	No information found
Shipping notice:	This product not regulated for transportation

15.0 - Regulatory Information

Reference to the local, National and EU/ International regulations