

K8



SUPAPANEL®



MSDS

Material Safety Data Sheet



the next generation of aerated panels



Safety Data Sheet

PRODUCT: SUPAPANEL AERATED CONCRETE

This document forms the safety data sheet for Supapanel Aerated Concrete.

This safety data sheet addresses the hazards associated with the aerated concrete component of the product and does not address the hazards associated with the enclosing Colorbond or galvanised steel sections. These components of the product are non-hazardous and are not considered to form either a hazardous chemical or an “article” under the model Work Health and Safety Regulation (as issued and updated by Safework Australia). They do not come under the definition of an “article” as it can’t be said that they have “hazard properties and a function that are wholly or partly dependent on the shape or design”.

As a result, this safety data sheet only addresses the hazards associated with the aerated concrete component of the product which, if modified to generate dust particles of the product, may have certain hazards under the Globally Harmonized System of Classification and Labelling of Chemicals (the GHS).

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Non-Hazardous Chemical, Non-Dangerous Goods

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: **Supapanel Aerated Concrete**

Recommended use: Waterproof weather barrier

Supplier: K8 Australia
ABN: ABN: 99 626 071 949
Street Address: 59/71 Merrindale Dr, Croydon South VIC 3136

Telephone: 1300 199 166

Emergency Telephone number: 1300 199 166

2. HAZARDS IDENTIFICATION

This safety data sheet applies to the aerated concrete component of this product.

Based on available information, this material, as supplied, is not classified as hazardous according to criteria of Safe Work Australia and of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS). However, some hazards may apply in the event that the product is modified – see below.

Poison Schedule: Not Applicable

DANGEROUS GOODS CLASSIFICATION

This product is not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

The shaded section below applies only to the product when modified to produce dust of the product:

When the product is cut, ground or sanded it may produce fine dust. The following hazards apply to the fine dust that may be formed from the operations of cutting, grinding or sanding:

Signal Word

Danger



Hazard Classifications

Skin Irritant - Category 2
Serious Eye Damage - Category 1
Specific target organ toxicity (single exposure) – Category 3
Carcinogenicity – Category 1A
Specific target organ toxicity (repeated exposure) – Category 1

Hazard Statements

H315	Causes skin irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H350i	May cause cancer by inhalation.
H373	May cause damage to organs through prolonged or repeated exposure.

Prevention Precautionary Statements

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust/fume/mist.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.

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Response Precautionary Statements

P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P310	Immediately call a POISON CENTER or doctor/physician.
P362	Take off contaminated clothing and wash before re-use.

Storage Precautionary Statement

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

Disposal Precautionary Statements

P501	Dispose of contents/container in accordance with local, regional or national regulations.
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3. COMPOSITION INFORMATION

This product has been found to contain no hazardous ingredients that require listing.

Chemical name	CAS Number	Percent in product	Notes
Calcium hydroxide (slaked lime)	1305-62-0	< 3%	
Quartz (crystalline silica)	14808-60-7	< 4%	
Other ingredients determined to be non-hazardous	-	To 100%	

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

Inhalation: No inhalation hazard exists for the product as supplied. However, when cut, ground or sanded to produce a dust of the product, an inhalation hazard may exist. If significant inhalation of dust has occurred, remove patient from contaminated area. If not breathing, apply artificial respiration. Seek medical attention.

Skin Contact: The product as supplied is not a skin irritant. However, when cut, ground or sanded to produce a dust of the product, the dust may be a skin irritant. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Seek medical attention if irritation persists.

Eye contact: The product as supplied does not cause eye damage. irritant. However, when cut, ground or sanded to produce a dust of the product, the dust is likely to cause eye damage. If in eyes, hold eyelids apart and flush continuously with running water for several minutes. In all cases of eye contamination it's recommended that medical advice is sought.

Ingestion: The product as supplied can't be ingested. However, when cut, ground or sanded to produce a dust of the product, the dust could be ingested. If ingested, do not induce vomiting. Seek medical advice, and inform the medical consultant that the dust comprises mainly concrete, along with some non-toxic materials.

PPE for First Aiders: If the product has been cut, ground or sanded to produce dust, wear respiratory and eye protection. Safety shoes and overalls should also be worn.

Notes to physician: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Hazchem Code: None allocated.

Suitable extinguishing media: This product is not combustible – use extinguishing measures that are appropriate to the local environment.

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Specific hazards: This product is not combustible.

Fire fighting further advice: If this product is exposed to an intense fire it may decompose to emit carbon monoxide. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if there exists a risk of exposure to the products of decomposition.

6. ACCIDENTAL RELEASE MEASURES

In the event of a spillage, wear protective equipment to prevent eye contamination and inhalation of dust. For small particles, sweep or vacuum up, but avoid generating dust. Collect and seal in properly labelled containers or drums for disposal. Drains should be blocked to prevent the product from entering waterways.

Dangerous Goods - Initial Emergency Response Guide No: Not applicable

7. HANDLING AND STORAGE

Handling: In the event of the product being cut, ground or sanded in a way that generates dust, avoid eye and skin contact with the dust or inhalation of the dust.

Storage: Store away from incompatible materials described in Section 10 and store away from heat sources.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits applying to this product when modified to produce dust of the product:

Ingredient	TWA		STEL		NOTICES
	ppm	mg/m ³	ppm	mg/m ³	
Calcium carbonate (limestone)	-	10	-	-	-
Calcium hydroxide (slaked lime)	-	5	-	-	-
Chromium (VI) compounds (as Cr)	-	0.05	-	-	-
Gypsum (calcium sulfate)	-	10	-	-	-
Magnesium oxide (fume)	-	10	-	-	-
Portland Cement	-	10	-	-	-
Quartz (respirable dust)	-	0.05	-	-	Carc. 1A

These limits are as published by Safe Work Australia. Although the product would not normally be classified as a "soluble aluminium salt", it's recommended that the given value is adopted as the exposure limit.

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above exposure limit. The exposure limit was created for workers who are routinely, potentially exposed during product manufacture.

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These exposure limits shown would apply in the event that the product is cut, ground or sanded, resulting in the generation of dust. The product as supplied would not be expected to be a source of dust.

Biological Limit Values: As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.

Engineering Measures: In the event that the product is modified to produce dust, ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Avoid generating and inhaling dusts. If dust of the product is being generated, use with local exhaust ventilation or while wearing dust mask if a dust hazard exists.

Personal Protection Equipment: WEAR STANDARD SAFETY EQUIPMENT.

When handling material wear standard safety equipment – including safety shoes.

Avoid generating and inhaling dust. If dust exists, wear a dust mask/ respirator conforming to the requirements of AS/NZS 1715 or AS/NZS 1716.

Hygiene measures: Avoid inhalation of dust.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Aerated concrete panels
Colour:	Grey
Odour:	No odour
Solubility:	Insoluble in water
Bulk density (aerated concrete):	0.34 to 0.8 kg/L
Relative Vapour Density (air=1):	Not applic.
Vapour Pressure (20 °C):	Not applic.
Flash Point (°C):	Not applic.
Flammability Limits (%):	Not applic.
Autoignition Temperature (°C):	Not applic.
Melting Point/Range (°C):	Not applic.
Boiling Point/Range (°C):	Not applic.
pH:	Not applic.
Viscosity:	Not applic.
Total VOC (g/Litre):	Not applic.

(Typical values only - consult specification sheet)
N Av = Not available, Not applic. = Not applicable

10. STABILITY AND REACTIVITY

Chemical stability: This product can be considered to be chemically stable.

Conditions to avoid: Elevated temperatures.

Incompatible materials: Strong acids and oxidising agents,

Hazardous decomposition products: Oxides of carbon.

Hazardous reactions: none known.

11. TOXICOLOGICAL INFORMATION

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

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Acute Effects:

Inhalation: Not applicable to the product as supplied. In dust form, inhalation may result in respiratory irritation.

Skin contact: Not applicable as supplied. In dust form, skin contact may result in irritation.

Ingestion: Not applicable to the product as supplied.

Eye contact: Not applicable to the product as supplied. In dust form, eye contact may result in serious eye damage

Acute toxicity:

Inhalation: Not applicable to the product as supplied. In dust form, no inhalation toxicity is known.

Skin contact: Not applicable to the product as supplied. In dust form, no dermal toxicity is known.

Ingestion: Not applicable to the product as supplied. In dust form, no oral toxicity is known.

Corrosion/Irritation: Not applicable to the product as supplied. In dust form, this material has been classified as causing severe eye damage and as being irritating to the skin.

Sensitisation: Inhalation: Not applicable to the product as supplied. In dust form, this material has been classified as not being a respiratory sensitiser and as not being a skin sensitiser.

Aspiration hazard: This material has been classified as non-hazardous.

Specific target organ toxicity (single exposure): Not applicable to the product as supplied. In dust form, this material has been classified as irritating to the respiratory system. High levels of exposure may result in irritation to the nose and throat and very high levels of exposure may result in breathing difficulties.

Chronic Toxicity:

Mutagenicity: This material has been classified as non-hazardous.

Carcinogenicity: Not applicable to the product as supplied. In dust form, this material may contain respirable crystalline silica, which may cause cancer by inhalation.

Reproductive toxicity (including via lactation): This material has been classified as non-hazardous.

Specific target organ toxicity (repeat exposure): Not applicable to the product as supplied. In dust form, this material, which may contain respirable crystalline silica, may lead to pulmonary fibrosis (silicosis).

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways. This product, when modified to create dust, may be harmful to the aquatic environment due to its ability to elevate the pH of water to harmful levels (up to pH 12).

Acute aquatic toxicity: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >100 mg/L

Long-term aquatic hazard: This material has been classified as non-hazardous.

Partition coefficient (n-octanol/water): Not applicable.

Persistence and degradability: This product would be expected to have a very low degradability.

Biodegradability: This product would be expected to have a very low biodegradability.

Bioaccumulative potential: No information available, but based on ingredients this substance is expected to have a very low potential to bioaccumulate.

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Mobility in soil: No information available, but based on ingredients this product would be expected to have a very low degree of mobility in soil, with the possible exception of calcium and magnesium ions, which could be leached from the product under mildly acidic conditions.

13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional or national regulations.

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

MARINE TRANSPORT

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

AIR TRANSPORT

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

15. REGULATORY INFORMATION

This material is not subject to the following international agreements:

Montreal Protocol (Ozone depleting substances)
The Stockholm Convention (Persistent Organic Pollutants)
The Rotterdam Convention (Prior Informed Consent)
Basel Convention (Hazardous Waste)
International Convention for the Prevention of Pollution from Ships (MARPOL)

This material/constituent(s) is covered by the following requirements:

- All components of this product are listed on or exempt from the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

Reason for issue: First Issue

This Safety Data Sheet has been prepared by CETEC Pty Ltd on behalf of its client. Safety Data Sheets are updated regularly. Please ensure that you have a current copy.

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent it's believed to be accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond the control of the supplier of this safety data sheet, all information relevant to usage is offered without warranty. The supplier of this safety data sheet will not be held responsible for any versions of this document subjected to unauthorised modifications.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact the supplier and/or manufacturer of this product.

The supplier's responsibility for product as sold is subject to the supplier's standard terms and conditions.



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THE NEXT GENERATION OF AERATED PANELS

* We strive to be the industry standard in service to customers.

* We maintain a superior level of integrity in interactions with business partners and associates.

* We appreciate our achieved success, and we conduct our business as model corporate citizens.

