

# SAFETY DATA SHEET

For New Zealand market

## Section 1. Identification of the material and the supplier

Product: **Concrete Canvas**  
 Product Use: A flexible mat containing a dry concrete mix trapped within a 3-dimensional fibre matrix with a fibrous surface on one side and a PVC membrane on the other. When water is added, the material remains workable for 2 hours and then hardens to form a concrete sheet. The material is supplied on a roll and comes in a range of thicknesses up to 13mm.

Restriction of Use: Refer to Section 15

Manufacturer: **Concrete Canvas Ltd**  
 Unit 3, Block A22  
 Pontypridd  
 CF37 5SP, UK  
 Ph: +44 845 680 1908

New Zealand Supplier: **Geofabrics New Zealand Ltd**  
 14 Goodman Place  
 Penrose  
 Auckland 1061, New Zealand  
 Ph: +64 9 634 6495

Emergency Telephone: **0800 764 766 (National Poison Centre)**

Date of SDS Preparation: 20 February 2018  
 Date of SDS Expiry: 20 February 2023

## Section 2. Hazards Identification

**The Manufacture has stated that this product is not hazardous in compliance with EC regulation No. 1272/2008 and its amendments, therefore it is not hazardous according to HSN0 Approved Code of Practice: Hazardous Substances (Safety Data Sheets) Notice 2017**

## Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Calcium Aluminate Cement	70-100	65997-16-2

## Section 4. First Aid Measures

Routes of Exposure:

If in Eyes Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.

If on Skin Wash with plenty of soap and water. Take off contaminated clothing and wash before re-use. If skin irritation occurs: get medical advice/attention.

If Swallowed Rinse mouth. DO NOT induce vomiting. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Seek medical attention if needed.

If Inhaled Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Apply artificial respiration if not breathing. Get medical advice if breathing becomes difficult.

**Most important symptoms and effects, both acute and delayed**

Symptoms:

**Ingestion:** None known.

**Inhalation:** None known.

**Eye:** None known.

**Skin:** None known.

**Section 5. Fire Fighting Measures**

<b>Hazard Type</b>	None Flammable.
<b>Hazards from combustion products</b>	Do not breathe in smoke.
<b>Suitable Extinguishing media</b>	None known.
<b>Precautions for firefighters and special protective clothing</b>	No special requirements. Ensure appropriate corrosive resistant clothing is available if encountering wet product
<b>HAZCHEM CODE</b>	<b>None allocated</b>

**Section 6. Accidental Release Measures**

Avoid emission of dust. Refer to Section 8 for details.  
 Avoid contamination of water ways and cultivated areas. Confine spill and sweep up or vacuum to avoid generating excessive dust. Dispose of by landfill in accordance with local regulations.

**Section 7. Handling and Storage**

**Precautions for Handling:**

- Handle in well ventilated areas using methods that minimize dust.

**Precautions for Storage:**

- Store away from incompatible materials listed in Section 10.
- Contact with water or water vapour during storage will hydrate the product and affects its performance.

**Section 8 Exposure Controls / Personal Protection**

**WORKPLACE EXPOSURE STANDARDS (provided for guidance only)**

	OSHA PEL	ACGIH PEL
Total Dust	15mg/m <sup>3</sup>	10mg/m <sup>3</sup>
Respirable dust	5mg/m <sup>3</sup>	5mg/m <sup>3</sup>

WES

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the

### Engineering Controls

Ensure adequate ventilation is available.

### Personal Protection Equipment

<b>Eyes</b>	ANSI approved glasses or goggles should be worn whenever there is a risk of powder or wet mixture entering the eyes.
<b>Hands and skin</b>	Work wear that prevents any powder or powder / water mixture contacting the skin. Protective clothing is recommended including waterproof gloves and boots.
<b>Respiratory</b>	NIOSH approved respiratory protection should be worn when the conditions are such that personal exposure is estimated to approach or exceed the stated limits.

## Section 9 Physical and Chemical Properties

<b>Appearance</b>	cloth/ particulate
<b>Colour</b>	Not available
<b>Odour</b>	Not available
<b>Odour Threshold</b>	Not available
<b>pH</b>	11-11.5 when wet
<b>Boiling Point</b>	Not available
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	Not available
<b>Flash Point</b>	Not available
<b>Flammability</b>	Not available
<b>Upper and Lower Explosive Limits</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density</b>	Not available
<b>Specific Gravity</b>	Not available
<b>Water Solubility</b>	Not available
<b>Partition Coefficient:</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Kinematic Viscosity</b>	Not available
<b>Bulk Density</b>	1500 kg/m <sup>3</sup>

## Section 10. Stability and Reactivity

<b>Stability of Substance</b>	This product is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	In the presence of water, calcium aluminates react chemically and harden to form stable calcium aluminate hydrates. This reaction is exo-thermal and may last up to 24 hours. The total heat released is <500 kJ/kg.
<b>Conditions to Avoid</b>	Formation of dusts, humidity, moisture.
<b>Incompatible Materials</b>	Strong acids, bases, oxidising agents.
<b>Hazardous Decomposition Products</b>	None known.

## Section 11 Toxicological Information

### Acute Effects:

<b>Swallowed</b>	Not applicable.
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<b>Dermal</b>	Not applicable.
<b>Inhalation</b>	May cause local irritation to throat, but is not classified as irritant according to EEC legislation.
<b>Eye</b>	May cause local irritation to eye, but is not classified as irritant according to EEC legislation.
<b>Skin</b>	May cause local irritation to skin, but is not classified as irritant according to EEC legislation.

**Chronic Effects:**

<b>Carcinogenicity</b>	Not applicable.
<b>Reproductive Toxicity</b>	Not applicable.
<b>Germ Cell Mutagenicity</b>	Not applicable.
<b>Aspiration</b>	Not applicable.
<b>STOT/SE</b>	Not applicable.
<b>STOT/RE</b>	Not applicable.

**Section 12. Ecotoxicological Information**

This product is not hazardous to the environment.

<b>Persistence and degradability</b>	No data available
<b>Bioaccumulation</b>	No data available
<b>Mobility in Soil</b>	After hydration (a few hours or days in moist conditions) the product is stable in soil and in water, with negligible mobility of its constituents.
<b>Other adverse effects</b>	No data available

**Section 13. Disposal Considerations**

**Disposal Method:**

Dispose of this material to a landfill site in accordance with local authority requirements.

**Precautions or methods to avoid:** None known.

**Section 14 Transport Information**

**This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2012**

**Section 15 Regulatory Information**

**The Manufacture has stated that this product is not hazardous in compliance with EC regulation No. 1272/2008 and its amendments, therefore it is not hazardous according to HSNO Approved Code of Practice: Hazardous Substances (Safety Data Sheets) Notice 2017**

**Section 16 Other Information**

**Glossary**

EC <sub>50</sub>	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.

TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

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Please contact the New Zealand distributor, Geofabrics, if further information is required.

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