

# SAFETY DATA SHEET

**CONCRETE CANVAS® GCCM (CC5™, CC8™  
AND CC13™)**

Infosafe No.: LQ8A5  
ISSUED Date : 23/08/2017  
ISSUED by: GEOFABRICS AUSTRALASIA PTY  
LTD

## 1. IDENTIFICATION

### GHS Product Identifier

CONCRETE CANVAS® GCCM (CC5™, CC8™ AND CC13™)

### Company Name

GEOFABRICS AUSTRALASIA PTY LTD

### Address

83-93 Canterbury Road Braeside  
VIC 3195 Australia

### Telephone/Fax Number

Tel: 03 8586 9144

### Emergency phone number

03 8586 9144

### Recommended use of the chemical and restrictions on use

For rapidly applied, durable and chemically resistant erosion control applications i.e. water channel lining, slope protection, bund lining, weed suppression, culvert repair, gabion reinforcement and pipe protection.

### Other Names

Name	Product Code
CC HYDRO™ (CCH5™ and CCH8™)	
GEOSYNTHETIC CEMENTITIOUS COMPOSITE MAT	

### Additional Information

NZ Customer Service Number: 0011 64 9 634 6495

## 2. HAZARD IDENTIFICATION

### GHS classification of the substance/mixture

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Not classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.  
Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2012 Transport of Dangerous Goods on Land.

### Other Information

A small amount of powder mix and/or dust may be released during normal handling (i.e. manipulating sections of un-set product or when cutting unset or hydrated product)- skin, eye and respiratory protection is advised if dust is generated.

In contact with water, an alkaline solution occurs (pH11-11.5) that may be irritating. However, in general practice, the volume of water required for the correct hydration of the product should mitigate any negative effects.

The concrete mix reacts chemically and hardens when mixed with water. The reaction is exothermic resulting in a temperature rise.

There is no risk of thermal burns in normal outdoor application.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

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#### Composition, information on ingredients

Composed of a cementitious powder, polyester fibres and PVC coating and or laminate.

#### Ingredients

Name	CAS	Proportion
Ingredients determined not to be hazardous		100 %

### 4. FIRST-AID MEASURES

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#### Inhalation

If inhaled remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

#### Ingestion

Do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.

#### Skin

Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.

#### Eye contact

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and/or persist seek medical attention.

#### First Aid Facilities

Eyewash and normal washroom facilities.

#### Advice to Doctor

Treat symptomatically.

#### Other Information

For advice in an emergency, contact a Poisons Information Centre (phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor at once.

### 5. FIRE-FIGHTING MEASURES

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#### Suitable Extinguishing Media

Water, foam, carbon dioxide or chemical.

#### Hazards from Combustion Products

Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including hydrogen chloride, carbon monoxide, carbon dioxide and oxides of nitrogen.

#### Specific Hazards Arising From The Chemical

The product has a limited combustibility in either packaged or installed (hydrated) form. However, some materials may burn (i.e. packaging or exposed PVC membrane). Explosive mixtures can arise due to decomposition.

#### Decomposition Temperature

>200°C

#### Precautions in connection with Fire

Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers.

### 6. ACCIDENTAL RELEASE MEASURES

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#### Emergency Procedures

Wear appropriate personal protective equipment and clothing to prevent exposure. Collect the material and place into a suitable labelled container. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

## 7. HANDLING AND STORAGE

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### Precautions for Safe Handling

Avoid exposure. Use only in a well ventilated area. Keep containers tightly closed. Prevent the build up of dusts, mists or vapours in the work atmosphere. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.

### Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated area, out of direct sunlight. Ensure that storage conditions comply with applicable local and national regulations. Contact with water or water vapour during storage will hydrate the product and affects its performance.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Occupational exposure limit values

No exposure standards have been established for this material, however, the TWA exposure standards for dust/particulates is given below

Australia

Dust not otherwise specified

TWA: 10 mg/m<sup>3</sup> (inspirable)

New Zealand

Particulates not otherwise classified

TWA: 10 mg/m<sup>3</sup> (inhalable), 3 mg/m<sup>3</sup> (respirable)

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

### Biological Limit Values

Not available

### Appropriate Engineering Controls

Provide sufficient ventilation to keep airborne levels as low as possible. Where dusts are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required.

### Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable dust filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances

### Eye Protection

Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications

### Hand Protection

Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

### Body Protection

Suitable protective work wear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Description	Properties	Description
Form	Article	Appearance	Cloth/ particulate
Odour	Not available	Decomposition Temperature	>200°C
Melting Point	Not available	Boiling Point	Not available
Solubility in Water	Not available	Specific Gravity	Not available
pH	11-11.5 (when wet)	Vapour Pressure	Not applicable
Vapour Density (Air=1)	Not applicable	Evaporation Rate	Not applicable
Odour Threshold	Not available	Viscosity	Not applicable
Partition Coefficient: n-octanol/water	Not available	Density	Bulk density: 1500 kg/m <sup>3</sup>
Flash Point	Not available	Flammability	Partially combustible, doesn't support fire
Auto-Ignition Temperature	Not available	Explosion Limit - Upper	Not applicable
Explosion Limit - Lower	Not applicable		

## 10. STABILITY AND REACTIVITY

### Chemical Stability

Stable under normal conditions of storage and handling.

### Reactivity and Stability

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.

### Conditions to Avoid

Avoid formation of dusts and humidity

### Incompatible materials

Not available

### Hazardous Decomposition Products

Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including hydrogen chloride, carbon monoxide, carbon dioxide and oxides of nitrogen.

### Possibility of hazardous reactions

Not available

## 11. TOXICOLOGICAL INFORMATION

### Toxicology Information

No toxicity data available for this material.

### Ingestion

Ingestion unlikely due to form of product. Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

### Inhalation

Inhalation of dusts may irritate the respiratory system.

### Skin

May be irritating to skin. The symptoms may include redness, itching and swelling.

### Eye

May be irritating to eyes. The symptoms may include redness, itching and tearing.

**Respiratory sensitisation**

Not expected to be a respiratory sensitiser.

**Skin Sensitisation**

Not expected to be a skin sensitiser.

**Germ cell mutagenicity**

Not considered to be a mutagenic hazard.

**Carcinogenicity**

Not considered to be a carcinogenic hazard.

**Reproductive Toxicity**

Not considered to be toxic to reproduction.

**STOT-single exposure**

Not expected to cause toxicity to a specific target organ.

**STOT-repeated exposure**

Not expected to cause toxicity to a specific target organ.

**Aspiration Hazard**

Not expected to be an aspiration hazard.

## 12. ECOLOGICAL INFORMATION

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**Ecotoxicity**

No ecological data are available for this material.

**Persistence and degradability**

Not available

**Mobility**

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.

**Bioaccumulative Potential**

Not available

**Other Adverse Effects**

Not available

**Environmental Protection**

Prevent this material entering waterways, drains and sewers.

## 13. DISPOSAL CONSIDERATIONS

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**Disposal considerations**

Australia:

The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

New Zealand:

Product Disposal:

This product can be disposed through a licensed commercial waste collection service. This product is non-hazardous and therefore the New Zealand HSNO regulations regarding disposal do not apply, however other regulations may apply.

Container Disposal:

The product is non-hazardous, therefore, the packaging may be re-used or recycled if it has been treated to remove any residual contents of the substance. Any wash-off water from the container cleaning process should be sent to a suitable waste water treatment plant before discharge into the environment.

In New Zealand, the packaging (that may or may not contain any residual substance) that is lawfully disposed of by householders or other consumers through a public or commercial waste collection service is a means of compliance with regulations.

## 14. TRANSPORT INFORMATION

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**Transport Information**

Road and Rail Transport:

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) (7th edition).

Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433: 2012 Transport of Dangerous Goods on Land.

Marine Transport (IMO/IMDG):

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

Air Transport (ICAO/IATA):

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

**U.N. Number**

None Allocated

**UN proper shipping name**

None Allocated

**Transport hazard class(es)**

None Allocated

**IMDG Marine pollutant**

No

**Transport in Bulk**

Not available

**Special Precautions for User**

Not available

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**15. REGULATORY INFORMATION****Regulatory information**

Australia:

Not classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

New Zealand:

Not classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.

**Poisons Schedule**

Not Scheduled

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**16. OTHER INFORMATION****Date of preparation or last revision of SDS**

SDS created: August 2017

**References**

Australia

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.

Standard for the Uniform Scheduling of Medicines and Poisons.

Australian Code for the Transport of Dangerous Goods by Road & Rail.

Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

Workplace exposure standards for airborne contaminants, Safe work Australia.

American Conference of Industrial Hygienists (ACGIH).

Globally Harmonised System of classification and labelling of chemicals.

New Zealand

Workplace Exposure Standards and Biological Exposure Indices.  
Transport of Dangerous goods on land NZS 5433.  
Preparation of Safety Data Sheets - Approved Code of Practice Under the HSNO Act 1996 (HSNO CoP 8-1 09-06).  
Assigning a hazardous substance to a group standard.  
American Conference of Industrial Hygienists (ACGIH).

## **END OF SDS**

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