



## MATERIAL SAFETY DATA SHEET

### SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name

**CMA100@Ultra Clearseal**

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Penetrating concrete waterproofer

Uses advised against

No information.

#### 1.3. Details of the supplier of the safety data sheet

Supplier

Construction Material Alliance Pty Ltd ACN 600 898 137  
Unit 4/92 Bryant Street Padstow NSW 2211 Australia phone: +61 2 9771 0011  
Email: acc@hanma.com.au www.cmapl.com.au

#### 1.4. Emergency telephone number

Emergency

112

Supplier

1300 303 301– Australian Business Hours -GMT + 10

### SECTION 2. HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008 (CLP)

Skin Irrit. 2; Causes skin irritation.  
H315

Eye Dam. 1; Causes serious eye damage.  
H318

#### 2.2. Label elements :

2.2.1. Symbol letter(s):



Signal word: **Danger**

H315 Causes skin irritation.

H318 Causes serious eye damage.

P102 Keep out of reach of children.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

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P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep 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.
P310	Immediately call a POISON CENTER/doctor.
P501	Dispose of contents/container in accordance with local/regional/national/international regulation.

## 2.2.2. Contains:

-

## 2.2.3. Special provisions:

Special hazards are not known or expected.

## **2.3. Other hazards:**

## **No information**

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No information.

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## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

For mixtures see 3.2.

### 3.2. Mixtures

Name	CAS, EC, Index	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	REACH Registration No.
Sodium Silicate	1344-09-8 215-687-4 -	25-35	Skin Irrit. 2; H315 Eye Dam. 1; H318	-
Water	7732-18-5 EC: 231-791-2	50-85		

## SECTION 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

#### General notes

When in doubt or if feeling unwell seek medical assistance. Show the safety data sheet and label to the physician.

#### Following inhalation

Remove patient to fresh air - move out of dangerous area. In case of unconsciousness bring patient into stable side position and seek medical attention. Seek medical help immediately. If breathing is irregular or respiratory arrest occurs provide artificial respiration. Keep at rest in a position comfortable for breathing.

#### Following skin contact

Take off all contaminated clothing. Do not pull solidified material or clothes from skin. Wash affected skin areas thoroughly with plenty of water and soap. If symptoms develop and persist, seek medical attention.

#### Following eye contact

Immediately flush eyes with running water, keeping eyelids apart. Consult a physician immediately!

#### Following ingestion

Rinse mouth thoroughly with water. Drink plenty of water in small sips. Never give anything by mouth to an unconscious person. Immediately consult a doctor. Show the physician the safety data sheet or label.

### 4.2. Most important symptoms and effects, both acute and delayed

#### Inhalation

Excessive exposure to spray mist, fog, or vapours may cause respiratory irritation.

#### Skin contact

Itching, redness, pain.

#### Eye contact

Redness, pain, burning sensation, tearing, can cause permanent damage to the eyes.  
Blurred vision.

#### Ingestion

May cause abdominal discomfort.  
May cause nausea/vomiting and diarrhea.  
Irritates mucous membranes in the mouth, throat, esophagus and in gastrointestinal area.  
There may be soreness and redness of the mouth and throat.

### 4.3. Indication of any immediate medical attention and special treatment needed

If in any doubt, consult a doctor.

## SECTION 5. FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### Suitable extinguishing media

Water spray.

#### Unsuitable extinguishing media

Full water jet.

### 5.2. Special hazards arising from the substance or mixture

#### Hazardous combustion products

In case of a fire toxic gases can be generated; do not inhale gases/smoke. Silica fumes.

### 5.3. Advice for firefighters

#### Protective actions

In case of fire evacuate the area. No action shall be taken involving any personal risk or without suitable training. In case of fire or heating do not breathe fumes/vapours.

#### Special protective equipment for firefighters

Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (EN 137).

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

#### **Protective equipment**

Use personal protective equipment (Section 8). Use breathing protection against effects of steam/dust/aerosol.

#### **Emergency procedures**

Ensure adequate ventilation. Prevent access to unprotected personnel. No action shall be taken involving any personal risk or without suitable training. Evacuate the danger zone. Do not breathe vapour or mist. Avoid contact with skin, eyes and clothing.

#### 6.1.2. For emergency responders

Use personal protective equipment.

### 6.2. Environmental precautions

Do not allow product to reach water/drains/sewage systems or permeable soil. In case of release into the environment, inform the relevant authorities.

### 6.3. Methods and material for containment and cleaning up

#### 6.3.1. For containment

Stem the spill if this does not pose risks.

#### 6.3.2. For cleaning up

Make sure the leakage site is well aired. Absorb product (with inert material), collect it in special container and dispose it to a licensed hazardous-waste disposal contractor. Dispose in accordance with applicable regulations (see Section 13).

#### 6.3.3. Other information

### 6.4. Reference to other sections

See also Sections 8 and 13.

## SECTION 7. HANDLING AND STORAGE

## 7.1. Precautions for safe handling

### 7.1.1. Protective measures

#### **Measures to prevent fire**

Ensure adequate ventilation.

#### **Measures to prevent aerosol and dust generation**

Use general or local exhaust ventilation to prevent inhaling vapours and aerosols.

#### **Measures to protect the environment**

Do not discharge into drains, surface water and soil. After use immediately close container tightly.

### 7.1.2. Advice on general occupational hygiene

Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Do not breathe vapours/mist. Avoid contact with skin, eyes and clothes. Wear suitable protective equipment; see Section 8. Remove contaminated clothes and wash them before reuse.

## 7.2. Conditions for safe storage, including any incompatibilities

### 7.2.1. Technical measures and storage conditions

Store in accordance with local regulations. Keep in well closed containers. Adhere to the provisions of the Law on Water Protection. Keep in a cool, dry and well ventilated place. Protect from direct sunlight. Keep away from food, drink and animal feeding stuffs.

### 7.2.2. Packaging materials

The original container of producer.

### 7.2.3. Requirements for storage rooms and vessels

Close opened containers after use. Put the containers upright to prevent from leaking. Do not store in unlabelled containers. Store out of direct sunlight.

### 7.2.4. Storage class

### 7.2.5. Further information on storage conditions

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## 7.3. Specific end use(s)

### **Recommendations**

### **Industrial sector specific solutions**

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### **8.1. Control parameters**

#### 8.1.1. Occupational exposure limit values

No information.

#### 8.1.2. Information on monitoring procedures

BS EN 14042:2003 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 482:2012+A1:2015 Workplace exposure. General requirements for the performance of procedures for the measurement of chemical agents. BS EN 689:2018 Workplace exposure. Measurement of exposure by inhalation to chemical agents. Strategy for testing compliance with occupational exposure limit values.

#### 8.1.3. DNEL/DMEL values

No information

#### 8.1.4. PNEC values

No information

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering control

#### **Substance/mixture related measures to prevent exposure during identified uses**

Handle in accordance with good industrial hygiene and safety practice. Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not breathe vapours/aerosols. Do not eat, drink or smoke while working. Avoid contact with skin, eyes and clothes.

#### **Organisational measures to prevent exposure**

Remove all contaminated clothes immediately and wash them before reuse. Keep eyewash bottles or personal eyewash units and emergency showers available.

#### **Technical measures to prevent exposure**

Provide good ventilation and local exhaust in areas with increased concentration. Keep away from food, drink and animal feeding stuffs.

### 8.2.2. Personal protective equipment

#### **Eye and face protection**

Tight fitting protective goggles (EN 166).

#### **Hand protection**

Protective gloves (EN 374). The penetration time is determined by the protective glove manufacturer and must be observed. Observe the manufacturer's instructions regarding the use, storage, maintenance and replacement of gloves. In case of damage or at the first signs of wear and tear, change the gloves immediately. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

#### **Skin protection**

Cotton protective clothing and shoes that cover the entire foot (EN ISO 20345). Protective work clothing resistant to liquid chemicals (EN 14605). At high risk of skin exposure chemical suits (EN ISO 6530:2005) and boots may be required (EN ISO 20345:2012). Choose body protection according to the activity and possible exposure.

#### **Respiratory protection**

Not needed under normal use and adequate ventilation. At elevated concentrations of vapours/aerosols in the air wear a mask (EN 140) with filter A2-P2 (EN 14387).

#### **Thermal hazards**

### 8.2.3. Environmental exposure controls

#### **Technical measures to prevent exposure**

Do not allow product to reach drains, sewage systems or ground water.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

- Physical state: liquid
- Colour: colourless
- Odour: characteristic

#### Important health, safety and environmental information

-	<b>pH</b>	11 – 12
-	<b>Melting point/freezing point</b>	No information.
-	<b>Initial boiling point/boiling range</b>	101 °C
-	<b>Flash point</b>	No information.
-	<b>Evaporation rate</b>	No information.
-	<b>Flammability (solid, gas)</b>	No information.
-	<b>Explosion limits (vol%)</b>	No information.
-	<b>Vapour pressure</b>	No information.

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-	<b>Vapour density</b>	No information.
-	<b>Density</b>	<b>Relative density:</b> 1,2 – 1,3
-	<b>Solubility</b>	No information.
-	<b>Partition coefficient</b>	No information.
-	<b>Auto-ignition temperature</b>	No information.
-	<b>Decomposition temperature</b>	No information.
-	<b>Viscosity</b>	No information.
-	<b>Explosive properties</b>	No information.
-	<b>Oxidising properties</b>	No information.

## 9.2. Other information

-	Remarks:	
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## SECTION 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

Product is stable under normal conditions of use, recommended handling and storage conditions.

### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

Avoid contact with incompatible materials.

### 10.5. Incompatible materials

Acids.

### 10.6. Hazardous decomposition products

Under normal use conditions no hazardous decomposition products are expected. In case of fire/explosion vapours/gases that pose a health hazard are released.

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### (a) Acute toxicity

<b>Additional information:</b> The product is not classified for acute toxicity.
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#### (b) Skin corrosion/irritation

<b>Additional information:</b> May causes skin irritation.
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#### (c) Serious eye damage/irritation

<b>Additional information:</b> Causes serious eye damage.
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#### (d) Respiratory or skin sensitisation

<b>Additional information:</b> The product is not classified as sensitising.
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#### (e) (Germ cell) mutagenicity

No information.

#### (f) Carcinogenicity

No information.

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## (g) Reproductive toxicity

No information.

## Summary of evaluation of the CMR properties

The product is not classified as carcinogenic, mutagenic or toxic for reproduction.

## (h) STOT-single exposure

**Additional information:** STOT SE (single exposure): Not classified.

## (i) STOT-repeated exposure

**Additional information:** STOT RE (repeated exposure): Not classified.

## (j) Aspiration hazard

**Additional information:** Aspiration hazard: Not classified.

## SECTION 12. ECOLOGICAL INFORMATION

### **12.1. Toxicity**

#### 12.1.1. Acute (short-term) toxicity

No information.

#### 12.1.2. Chronic (long-term) toxicity

No information.

### **12.2. Persistence and degradability**

#### 12.2.1. Abiotic degradation, physical- and photo-chemical elimination

No information.

#### 12.2.2. Biodegradation

No information.

### **12.3. Bioaccumulative potential**

#### 12.3.1. Partition coefficient

No information.

#### 12.3.2. Bioconcentration factor (BCF)

No information.

### **12.4. Mobility in soil**

#### 12.4.1. Known or predicted distribution to environmental compartments

No information.

#### 12.4.2. Surface tension

No information.

#### 12.4.3. Adsorption/Desorption

No information.

### **12.5. Results of PBT and vPvB assessment**

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

### **12.6. Other adverse effects**



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No information.

## 12.7. Additional information

### For product

Do not allow to reach ground water, water courses or sewage system.

## SECTION 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

#### 13.1.1. Product / Packaging disposal

#### **Waste chemical**

Dispose of in accordance with applicable waste disposal regulation. Disposal must be made according to official regulations: deliver it to authorised collector/remover/transformer of hazardous waste. Do not allow product to reach drains/sewage systems.

#### **Packaging**

Dispose of in accordance with applicable waste disposal regulation. Deliver completely emptied containers to approved waste disposal authorities.

#### 13.1.2. Waste treatment-relevant information

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#### 13.1.3. Sewage disposal-relevant information

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#### 13.1.4. Other disposal recommendations

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## SECTION 14. TRANSPORT INFORMATION

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

ADR, RID, IMDG, ADN, IATA: Not dangerous according to transport regulations.

### 14.3. Transport hazard class(es)

Not applicable.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

NO.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

## SECTION 15. REGULATORY INFORMATION

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)(including last amendment Commission Regulation (EU) 2015/830)

- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

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## 15.1.1. Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)

Not applicable.

## 15.1.2. Special instructions

Regulation (EC) No. 1907/2006 (REACH) Annex XVII - Terms of restriction: 3.

## **15.2. Chemical Safety Assessment**

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## SECTION 16. OTHER INFORMATION

### Indication of changes

### Abbreviations and acronyms

ATE	-	Acute Toxicity Estimate
ADR	-	Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	-	European Agreement concerning the International Carriage of Dangerous Goods by Inland
Waterways		
CEN	-	European Committee for Standardisation
C&L	-	Classification and Labelling
CLP	-	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
CAS#	-	Chemical Abstracts Service number
CMR	-	Carcinogen, Mutagen, or Reproductive Toxicant
CSA	-	Chemical Safety Assessment
CSR	-	Chemical Safety Report
DMEL	-	Derived Minimal Effect Level
DNEL	-	Derived No Effect Level
DPD	-	Dangerous Preparations Directive 1999/45/EC
DSD	-	Dangerous Substances Directive 67/548/EEC
DU	-	Downstream User
EC	-	European Community
ECHA	-	European Chemicals Agency
EC-Number	-	EINECS and ELINCS Number (see also EINECS and ELINCS)
EEA	-	European Economic Area (EU + Iceland, Liechtenstein and Norway)
EEC	-	European Economic Community
EINECS	-	European Inventory of Existing Commercial Substances
ELINCS	-	European List of notified Chemical Substances
EN	-	European Standard
EQS	-	Environmental Quality Standard
EU	-	European Union
Euphrac	-	European Phrase Catalogue
EWC	-	European Waste Catalogue (replaced by LoW – see below)
GES	-	Generic Exposure Scenario
GHS	-	Globally Harmonized System
IATA	-	International Air Transport Association
ICAO-TI	-	Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG	-	International Maritime Dangerous Goods
IMSBC	-	International Maritime Solid Bulk Cargoes
IT	-	Information Technology
IUCLID	-	International Uniform Chemical Information Database
IUPAC	-	International Union for Pure Applied Chemistry
JRC	-	Joint Research Centre
Kow	-	octanol-water partition coefficient
LC <sub>50</sub>	-	Lethal Concentration to 50 % of a test population
LD <sub>50</sub>	-	Lethal Dose to 50% of a test population (Median Lethal Dose)
LE	-	Legal Entity
LoW	-	List of Wastes (see <a href="http://ec.europa.eu/environment/waste/framework/list.htm">http://ec.europa.eu/environment/waste/framework/list.htm</a> )
LR	-	Lead Registrant
M/I	-	Manufacturer / Importer
MS	-	Member States
MSDS	-	Material Safety Data Sheet
OC	-	Operational Conditions
OECD	-	Organization for Economic Co-operation and Development
OEL	-	Occupational Exposure Limit
OJ	-	Official Journal
OR	-	Only Representative
OSHA	-	European Agency for Safety and Health at work
PBT	-	Persistent, Bioaccumulative and Toxic substance
PEC	-	Predicted Effect Concentration
PNEC(s)	-	Predicted No Effect Concentration(s)
PPE	-	Personal Protection Equipment

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(Q)SAR	-	Qualitative Structure Activity Relationship
REACH	-	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No
1907/2006		
RID	-	Regulations concerning the International Carriage of Dangerous Goods by Rail
RIP	-	REACH Implementation Project
RMM	-	Risk Management Measure
SCBA	-	Self-Contained Breathing Apparatus
SDS	-	Safety data sheet
SIEF	-	Substance Information Exchange Forum
SME	-	Small and Medium sized Enterprises
STOT	-	Specific Target Organ Toxicity
(STOT) RE	-	Repeated Exposure
(STOT) SE	-	Single Exposure
SVHC	-	Substances of Very High Concern
UN	-	United Nations
vPvB	-	Very Persistent and Very Bioaccumulative

## Key literature references and sources for data

### List of relevant H phrases

H315 Causes skin irritation.

H318 Causes serious eye damage.

The information of this SDS is based on the present state of our knowledge and meets the requirements of EU and national laws. The user's working conditions however, are beyond our knowledge and control. The product is not to be used for purposes other than those specified under Section 1 without a written permission. It remains the responsibility of the user to ensure that the necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18 years of age, who are satisfactorily informed of how to do the work, the hazardous properties and necessary safety precautions. The information given in this SDS is to describe the product only in terms of health and safety requirements and should not, therefore, be construed as guaranteeing specific properties.

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