SAFETY DATA SHEET

Cement All

Section 1: Identification of the Material and Suppliers

Product Name	Cement All
Product Code	120010055, 120012000, 120013000, 120020010, 120020025, 120040055
Recommended Use	Industrial Use
Importer	Volumetric Concrete Australia Pty Ltd ABN 12 132 245 204 19-21 Cann Street, Guildford NSW 2161 1300 320 799 www.antoun.com.au
Emergency Contact Number	13 11 26 (Poisons Information Centre)

Section 2: Hazard Identification

Classification of the Hazardous Chemical	Classified as HAZARDOUS according to Safe Work Australia criteria. Not Classified as a dangerous good by the criteria of the ADG code, IMDG or IATA.
GHS Classifications	Skin irritation - category 2 Serious eye damage - category 1 Carcinogenicity - category 1A Specific target organ toxicity, single exposure - category 3, respiratory irritation Specific target organ toxicity, repeated exposure - category 2
Signal Word	Danger
Hazard Pictograms	
Hazard Statements	H315 Causes skin irritation. H318 Causes serious eye damage. H335 May cause respiratory irritation. H350 May cause cancer. H373 May cause damage to Lungs through prolonged or repeated exposure by inhalation.
Prevention 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/gas/mist/vapours/spray.

P264 Wash hands/eyes/mouth/skin/clothing thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P233 Keep container tightly closed.

P281 Use personal protective equipment as required.

Response Statements

P321 Specific treatment (see supplemental first aid instructions on this label).

P362 Take off contaminated clothing and wash before reuse

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P332+P313 If skin irritation occurs: Get medical advice/attention

P310 Immediately call a POISON CENTER or doctor/physician.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P314 Get medical advice/attention if you feel unwell

P308+P313 If exposed or concerned: Get medical advice/attention

Storage Statements

P405 Store locked up.

P403+P233 Store in a well ventilated place. Keep container tightly closed.

Disposal Statements

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 3: Composition/Information on Ingredients

Chemical Entity	CAS Number	Proportion
Calcium sulfoaluminate cement	960375-09-1	30-60%
Total Silica, crystalline quartz	14808-60-7	20-60%
Silica, crystalline quartz (Respirable)	14808-60-7	<0.05%
Formaldehyde	50-00-0	<0.01%

Section 4: First Aid Measures

Description of First Aid Measures

Eye

Rinse/flush exposed eye(s) gently using water for 15-20 minutes If symptoms develop or persist, seek medical attention

Avoid direct contact and wear chemical protective gloves, if necessary

	Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open
	Remove contact lenses, if present and easy to do so Continue rinsing until medical aid is available
	Immediately call a POISON CONTROL CENTER or seek medical attention
Inhalation	Loosen clothing as necessary and position individual in a comfortable position
	Maintain an unobstructed airway
	Get medical advice/attention if you feel unwell
	Take precautions to ensure your own safety
	Remove source of exposure or move person to fresh air
	Get medical advice if you feel unwell or concerned
Skin	Rinse affected area with soap and water
	If symptoms develop or persist, seek medical attention Take off all contaminated clothing
	Gently blot or brush away excess product
	Wash with plenty of lukewarm, gently flowing water
	Get medical advice if skin irritation occurs or you feel unwell
Ingestion	Rinse mouth thoroughly
	Seek medical attention if irritation, discomfort, or vomiting persists
Advise to Doctor	Not determined or not applicable.
First Aid Facilities	Not determined or not applicable.
Most Important Symptoms and Effects, Both Acute and Delayed	Not determined or not applicable.
Immediate Medical Attention and Special Treatment Needed	Not determined or not applicable.

Section 5: Firefighting Measures

Extinguishing Media	Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition
Specific Hazards	Thermal decomposition can lead to release of irritating gases and vapors
Advice for Firefighters	Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit
	Carbon monoxide and carbon dioxide may form upon combustion
	Heating causes a rise in pressure, risk of bursting and combustion
Hazchem Code	None allocated

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Ensure adequate ventilation Ensure air handling systems are operational Wear protective eye wear, gloves and clothing
Environmental Precautions	Should not be released into the environment Prevent from reaching drains, sewer or waterway
Methods and Materials for Containment and Cleaning Up	Wear protective eye wear, gloves and clothing Sweep or scoop up solid material while minimizing dust generation Dispose of contents / container in accordance with local regulations

Section 7: Handling and Storage

Handling	Use only with adequate ventilation. Avoid breathing dust. Do not eat, drink, smoke or use personal products when handling chemical substances.
Storage	Keep container tightly sealed. Keep container dry. Store in a cool, well-ventilated area.

Section 8: Exposure Controls and Personal Protection

Ingredient	CAS Number	Reference	TWA		STEL	
			ppm	mg/m^3	ppm	mg/m^3
Total Silica, crystalline quartz	14808-60-7	SWA (AUS)	-	0.05	-	-
Silica, crystalline quartz (Respirable)	14808-60-7	SWA (AUS)	-	0.05	-	-
Formaldehyde	50-00-0	SWA (AUS)	1	1.2	2	2.5

Exposure Control Measures	Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls. Biological monitoring may also be appropriate for some substances.
Biological Monitoring	No biological exposure limits noted for the ingredient(s).
Engineering Controls	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

Individual Protection Measures	Avoid contact with skin, eyes and clothing. Wash hands before breaks and at the end of work. Wash contaminated clothing before reuse. **Eye and face protection:** Safety goggles or glasses, or appropriate eye protection. **Skin and body protection:** Select glove material impermeable and resistant to the substance. Wear appropriate clothing to prevent any possibility of skin contact. **Respiratory protection:** If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Section 9: Physical and Chemical Properties

Appearance	Solid; tan powder
Auto-Ignition Temperature	Not available
Decomposition Temperature	2460°F (1350°C)
Evaporation Rate	Not applicable
Flammability	Not available
Flash Point	Not available
Initial Boiling Point and Boiling Range	Not applicable
Melting Point/Freezing Point	Not available
Odour	Low
Odour Threshold	Not available
Partition Coefficient	Not available
pH	11 - 12 when wet
Relative Density	2.7 - 3.1 at 20°C
Solubility	Partially soluble
Upper/Lower Flammability or Explosive Limits	Not available
Vapour Density	Not applicable

Vapour Pressure	Not applicable
Viscosity	Not applicable
Bulk Density	60 lb/ft³
VOC (Weight %)	0 g/l when mixed with water

Section 10: Stability and Reactivity

Reactivity	Does not react under normal conditions of use and storage.
Chemical Stability	Stable under normal conditions of use and storage.
Hazardous Reactions	None under normal conditions of use and storage.
Conditions to Avoid	None known.
Incompatible Materials	None known.
Hazardous Decomposition Products	None known.

Section 11: Toxicological Information

Acute Toxicity	Based on available data, the classification criteria are not met.
Skin Corrosion/Irritation	Calcium sulfoaluminate cement - Causes skin irritation. Formaldehyde - Causes severe skin burns and eye damage.
Serious Eye Damage/Irritation	Calcium sulfoaluminate cement - Causes serious eye damage.
Respiratory or Skin Sensitisation	Based on available data, the classification criteria are not met. Formaldehyde - May cause an allergic skin reaction.
Germ Cell Mutagenicity	Formaldehyde - Suspected of causing genetic defects.
Carcinogenicity	Silica, crystalline quartz (Respirable) - Component may cause cancer. Formaldehyde - May cause cancer. Total Silica, crystalline quartz - 1 - Group 1: Carcinogenic to humans (Quartz)
Reproductive Toxicity	Based on available data, the classification criteria are not met.
STOT Single Exposure	Calcium sulfoaluminate cement - May cause respiratory irritation.
STOT Repeated Exposure	Calcium sulfoaluminate cement - May cause damage to organs (Lungs) through prolonged or repeated exposure. Silica, crystalline quartz (Respirable) - Component affects the lungs through repeated exposure.

Section 12: Ecological Informations

Ecotoxicity	Based on available data, the classification criteria are not met.
Persistence and Degradability	Formaldehyde - Readily biodegradable in water.
Bioaccumulative Potential	Formaldehyde - BCF (aquatic species): 0.396 dimensionless
Mobility in Soil	Formaldehyde - Mobile (Calculated log Koc: 1.202)
Other Adverse Effects	No data available.

Section 13: Disposal Considerations

Waste Disposal	It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities
Legislation	Dispose of in accordance with relevant local legislation. Keep material out of storm water and sewer drains.

Section 14: Transport Information

UN Number	Not regulated
Proper Shipping Name	Not regulated
Transport Hazard Class	None
Packing Group Number	None
Environmental Hazards for Transport Purposes	None
Special Precautions for User	None
Hazchem Code	None

Section 15: Regulartory Information

Poison Schedule	A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
Classifications	Safe Work Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals (GHS Revision 7).

Inventory Listings	All chemicals listed on the Australian Inventory of Chemical Substances (AICS)

Section 16: Other Information

Additional Information

Australian and New Zealand Standards	AS 2161: Industrial Safety Gloves and Mittens (excluding electrical and medical gloves). AS/NZ 1336: Recommended Practices for Occupational Eye Protection. AS/NZS 1715: Selection, use and maintenance of respiratory protective devices. AS/NZS 1716: Respiratory protective devices. AS/NZS 4501: Occupational protective clothing.
Abbreviations	CAS Number - Chemical Abstract Service number - used to uniquely identify chemical compounds GHS - Globally Harmonized System mg/m³ - Milligrams per Cubic Metre OEL - Occupational Exposure Limit pH - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline). ppm - Parts Per Million STEL - Short-Term Exposure Limit STOT-RE - Specific target organ toxicity (repeated exposure) STOT-SE - Specific target organ toxicity (single exposure) SWA - Safe Work Australia TLV - Threshold Limit Value TWA - Time Weighted Average
Advice Notes	This document has been compiled by Antoun based on information concerning the product which has been provided to Antoun by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier. While Antoun has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, Antoun accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS