

Safety Data Sheet - Concrete Masonry Products

SECTION 1 : IDENTIFICATION OF THE MATERIAL AND SUPPLIER

PRODUCT NAME	Concrete Masonry (Including bricks, blocks, pavers and retaining wall units)
OTHER NAMES	Not Relevant
RECOMMENDED USE	Masonry products used for the purpose of construction of buildings, retaining walls, paved surfaces and landscaping. Varies based upon type of product selected, refer www.adbrimasonry.com.au for further information on full range of concrete masonry products and their recommended uses.
COMPANY	Adbri Masonry Pty Ltd
ADDRESS	Administrative Head Office 85 Christensen Road Stapylton, QLD, 4207
TELEPHONE	1300 365 565

Important Notice : This Safety Data Sheet (SDS) is issued by Adbri Masonry Pty Ltd in accordance with the requirements of "Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice, February 2016". As such, the information in it must not be altered, deleted or added to. Adbri Masonry Pty Ltd will not accept any responsibility for any changes made to its SDS by any other person or organisation.

SECTION 2 : HAZARDS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA.

This product is not classified as a dangerous good by the criteria of the ADG code, IMDG, or IATA.

Concrete Masonry Products pose no health hazard as manufactured. In some types of applications it may be necessary to modify the units, this can be in the form of grinding, drilling or cutting and can generate dust. All information in this section relates to the generation of dust.

GHS Classification

Hazard Category 2	Causes Skin Irritation
Hazard Category 2A	Causes Serious Eye Irritation
Hazard Category 1B	May Cause Allergy or Asthma Symptoms or Breathing Difficulties If Inhaled



Prevention Statements

- P261** Avoid breathing dust
P264 Wash hands thoroughly after handling
P280 Wear protective gloves
P280 Wear eye protection
P285 In case of inadequate ventilation wear respiratory protection, half face mask with P1 filter.

Response Statements

- P302 + P352** **IF ON SKIN:** Wash with plenty of soap and water
P332 + P313 **IF SKIN IRRITATION OCCURS:** Get medical advice / attention
P362 Take off contaminated clothing and wash before reuse
P305, P351 + P338 **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 **IF EYE IRRITATION PERSISTS:** Get medical advice / attention.
P304 + P341 **IF INHALED:** If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P342 + P311 **IF EXPERIENCING RESPIRATORY SYMPTOMS:** Call a POISON CENTRE or doctor / physician.

SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	PROPORTION	CAS NUMBER
Portland Cement (Hydrated)	1 – 30%	65997-15-1
Chromium VI (hexavalent chromium from cement)	trace	18540-29-9
Supplementary cementitious materials (fly ash, slag)	0 – 30%	
Aggregate (sand, crushed stone, gravel, basalt, granite, bottom ash)	>50%	14808-60-7
Metallic Oxide Pigment	<5%	
Water	1 – 10%	
Admixtures (waterproofing agents, plasticisers)	<1%	

SECTION 4 : FIRST AID MEASURES

SWALLOWED	Rinse mouth and lips with water. Drink plenty of clean water to dilute stomach contents. Do not induce vomiting. If symptoms persist, seek medical attention.
EYES	Flush eyes with running water for 15 minutes. Seek medical assistance if discomfort persists.
SKIN	Remove heavily contaminated clothing. Wash with soap and water and apply skin moisturiser. Seek medical attention for persistent irritation or burning of the skin.
INHALED	Remove to fresh air and allow to rest. If irritation persists, seek medical advice.
FIRST AID FACILITIES	Washing facilities – mobile eye wash facility with sterile water and normal saline.
ADVICE TO DOCTOR	Treat Symptomatically.

SECTION 5 : FIRE FIGHTING MEASURES

FLAMMABILITY	Not Relevant
SUITABLE EXTINGUISHING MEDIA	Not Relevant
HAZARDS FROM COMBUSTION PRODUCTS	Not Relevant
SPECIAL PROTECTIVE PRECAUTIONS AND EQUIPMENT FOR FIRE FIGHTERS	Not Relevant

SECTION 6 : ACCIDENTAL RELEASE MEASURES

SPILLS	Any debris from broken or sawn product should be shovelled into containers. Any residual fine material should be wet down to minimise airborne dust and swept up.
DISPOSAL	As solid fill in accordance with local government regulations for disposal of solid waste (refer local government guidelines).
EMERGENCY PROCEDURES	Not Relevant
METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP	Not Relevant

SECTION 7 : HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING	Some concrete masonry units may be heavy and appropriate manual handling methods should be applied when lifting.
CONDITIONS FOR SAFE STORAGE	Not Relevant
INCOMPATIBILITIES	Not Relevant

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE STANDARDS	Exposure to dry concrete dust should be kept as low as practicable and below the following National Exposure Standard (NES) limits
BIOLOGICAL LIMIT VALUES	Crystalline silica (quartz) : 0.1mg/m ³ TWA (time weighted average) as respirable dust (≤ 7 microns particle equivalent aerodynamic diameter). Remove heavily contaminated clothing. Wash with soap and water and apply skin moisturiser. Seek medical attention for persistent irritation or burning of the skin. Chromium VI (hexavalent) : 0.05mg/m ³ - sensitiser. Portland Cement : 10mg/m ³ (respirable dust)
ENGINEERING CONTROLS	Only undertake drilling, cutting or grinding of units in a well ventilated open area, or use water spray.
Personal Protective Equipment	
SKIN PROTECTION	Wear cloth or leather gloves to protect hands against abrasion. Impervious gloves and apron should be worn when handling wet product.
EYE PROTECTION	Wear approved safety glasses, goggles or face shield when dust is being generated by cutting, drilling, chasing, grinding, sanding or polishing.
HEARING PROTECTION	Wear ear protection if using power tools.
FOOT PROTECTION	Wear safety footwear.
RESPIRATORY PROTECTION	In dusty environments use a half-face respirator with a Class P1 filter.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Varies by product selected	EVAPORATION RATE	Not Relevant
ODOUR	Not Relevant	AUTO-IGNITION TEMP	Not Relevant
pH	7 – 12 when wet	DECOMPOSITION TEMP	Not Relevant
VAPOUR PRESSURE	Not Relevant	VISCOSITY	Not Relevant
BOILING POINT	Not Relevant		
FREEZING POINT	Not Relevant		
MELTING POINT	Not Relevant		
PERCENT VOLATILES	Not Relevant		
SOLUBILITY IN WATER	Not Relevant		
RELATIVE DENSITY	Varies based on selected product, refer to website for individual Technical data sheets.		
FLAMMABILITY LIMITS	Not Relevant		
FLASH POINT	Not Relevant		
IGNITION TEMPERATURE	Not Relevant		

SECTION 10 : STABILITY AND REACTIVITY

CHEMICAL STABILITY	Chemically Stable
INCOMPATIBLE MATERIALS	Not Relevant
CONDITIONS TO AVOID	Not Relevant
HAZARDOUS DECOMPOSITION PRODUCTS	Not Relevant
HAZARDOUS REACTIONS	Not Relevant

SECTION 11 : TOXICOLOGICAL INFORMATION

Health Effects : Concrete Masonry Products pose no health hazard as manufactured. In some types of applications it may be necessary to modify the units, this can be in the form of grinding, drilling or cutting and can generate dust. All information in this section relates to the generation of dust.

Acute – Short Term Exposure

SWALLOWED	Possible gastrointestinal irritant. Abrasive
EYES	Dust and fragments generated through mechanical impact may be sharp and irritating to eyes.
SKIN	May lead to dry or irritated skin.
INHALED	Inhalation of dust particles may cause irritation of nasal passages and respiratory tract.

Acute – Long Term Exposure

EYES	The dust may cause pain, redness and inflammation of the cornea.
SKIN	Repeated contact causes irritation and drying of skin.
INHALED	Prolonged exposure to respirable dust, which contains crystalline silica (quartz) at levels above the National Occupational Exposure Standard, could lead to chronic respiratory disease such as bronchitis, silicosis (scarring of the lung) or lung cancer. The association between exposure to respirable quartz and lung cancer is stronger in people who have already developed silicosis and/or are cigarette smokers.

SECTION 12 : ECOLOGICAL INFORMATION

ECOTOXICITY	Material is non-toxic to ecosystem. Dust is alkaline when mixed with water.
PERSISTENCE AND DEGRADABILITY	Product is persistent and has a low degradability.
MOBILITY	Low mobility would be expected in landfill situations.

SECTION 13 : DISPOSAL CONSIDERATIONS

Concrete masonry units and pavers can be treated as common waste for disposal or dumped into a landfill site in accordance with local authority guidelines. Measures should be taken to prevent dust generation during disposal.

SECTION 14 : TRANSPORTATION INFORMATION

UN NUMBER	Not Relevant
UN PROPER SHIPPING NAME	Not Relevant
CLASS AND SUBSIDIARY RISK	Not Relevant
PACKING GROUP	Not Relevant
SPECIAL PRECAUTIONS FOR USE	Not Relevant
HAZCHEM CODE	Not Relevant

SECTION 15 : REGULATORY INFORMATION

Exposures by inhalation of high levels of dust may be regulated under the Hazardous Substances Regulation as they are applicable to Respirable Crystalline Silica requiring exposure assessment, controls and health surveillance (NOHSC).

A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and poisons (SUSDP).

SECTION 16 : OTHER INFORMATION

ISSUE DATE	March 2017
PRODUCED BY	Adbri Masonry Pty Ltd
REFERENCED DOCUMENTS	Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice February 2016

Adbri Masonry have developed this SDS on the basis that the information provided herein is accurate and is given in good faith. No warranty, expressed or implied, is made by Adbri Masonry. Where the information provided herein discloses a potential hazardous ingredient adequate warning should be provided to employees and users and appropriate precautions taken.

Data Sheet update, Version 3.0, has been modified from Version 2.0 to comply with the requirements of the Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice dated February 2016