



## Material Safety Data Sheet

MSDS No. DC041 Issue date 01/09/16  
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### **Bastion AAC Block**

#### **SECTION 1: MATERIAL AND SUPPLIER INFORMATION**

Product Name: Bastion AAC Block

Applicable In: Australia

Other Names: Bastion AAC Block

Recommended Use: Building Blocks, Noise suppression, and General Construction Blocks

Company Details: Dingo Cement Pty Ltd  
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Port Melbourne Vic 3207  
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This Material Safety Data Sheet (MSDS) is issued by Dingo Cement Pty Ltd in accordance with the Code and guidelines from the Australian Safety and Compensation Council (ASCC, formerly National Occupational Health and Safety Commission – NOHSC). The information in it must not be altered, deleted or added to. Dingo Cement Pty Ltd will not accept any responsibility for any changes made to its MSDS by any other person or organisation. Dingo Cement Pty Ltd will issue a new MSDS when there is a change in product specifications and/ or ASCC standards, guidelines or regulations.

#### **SECTION 2: HAZARDS IDENTIFICATION**

##### **Statement Of Hazardous Nature:**

This product as supplied is Non-hazargous.

Non-Dangerous Goods According to the WHS Regulations and the ADG Code

#### **SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

<b>Chemical Name</b>	<b>Proportions</b>	<b>CAS Number</b>
1344-95-2 Calcium Silicate Hydrate	<60-80%	1344-95-2
Crystalline Siclica	20-40%	14808-60-7
Portland Cement	10-40%	65997-15-1
Additives	<8%	

## **SECTION 4:**

### **FIRST AID MEASURES**

The following advice refers mainly to concrete dust following cutting or crushing the product

Swallowed:	Rinse mouth and lips with water. Do not induce vomiting. Give water to drink. If symptoms persist, seek medical attention.
Eyes:	Flush thoroughly with flowing water, while holding eyelids open, for 15 minutes to remove all traces. Do not attempt to remove solid particles embedded in the eye. If symptoms such as irritation, pain or redness persist, seek medical attention.
Skin:	Remove heavily contaminated clothing immediately. Wash off skin thoroughly with water. Use a mild soap if available. Shower if necessary. Seek medical attention for persistent redness, irritation or burning of the skin.
Inhaled:	Remove to fresh air, away from dusty area. If symptoms persist, seek medical attention.
Ingestion	Partially non-toxic. Do not induce vomiting. Give large quantities of water or milk. Do not give anything by mouth to an unconscious person. Obtain medical attention or call an ambulance

### **SECTION 5: FIRE AND EXPLOSION HAZARD**

Extinguishing Media:	Use Dry Chemical, Foam, and CO <sub>2</sub> or water spray for fire in surrounding
Fire/Explosion hazard	None
Flammability limits	This product is non flammable

### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

Procedure if material is released or spilled: Collect and reuse where possible and avoid generating dust.

Dust is best cleaned up with a vacuum device to avoid making dust. Useful to wet down area before sweeping .

See Section 8 below on Exposure controls and personal protection should be read prior to clean up.

### **SECTION 7: HANDLING AND STORAGE**

Handling:	Handling should be in accordance with Manual handling regulations. Concrete is a heavy material and manual handling risk management is required to be conducted in accordance with manual handling Regulations and Codes ..
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Incompatibilities: None  
Transport: No Special Requirements

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards : Workplace Exposure Standards and Biological Exposure Indices,  
Crystalline silica (quartz): TWA – 0.1 mg/m<sup>3</sup> respirable dust. (≤ 7 microns particle equivalent aerodynamic diameter)  
Calcium silicate dust: TWA - 10 mg/m<sup>3</sup>  
Portland cement: TWA – 10 mg/m<sup>3</sup> as inspirable dust  
Total dust (of any type or particle size): TWA - 10 mg/m<sup>3</sup>

Eye Protection: Safety goggles or glasses should be worn.

Ventilation When dry concrete dust is present, ensure exposures to respirable protection are maintained . Work in the open air and external openings (such as doors and windows in buildings) generally provides adequate ventilation. Local mechanical ventilation or extraction may be required in areas where dust could escape into the working environment. Local dust extraction and collection may be used, if necessary, to control airborne dust levels. Handtools generate less dust when cutting, drilling or sanding. If power tools are used they should be fitted with efficient and well maintained dust extraction devices. If generated dust cannot be avoided, follow personal protection recommendations.

Other Avoid prolonged, repeated skin contact and breathing mist or vapours. All occupational exposures to atmospheric contaminants should be kept to as low a level as is workable (practicable).  
TWA (Time Weighted Average): the time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life. According to current knowledge this concentration should neither impair the health of, nor cause undue discomfort to, nearly all workers.

### **Special Precautions**

Handling Wash hands before eating, drinking, using the toilet, or smoking. Wash work clothes regularly

Respiratory Protection The type of respiratory protection required depends primarily on the

concentration of the respirable crystalline silica dust in the air, and the frequency and length of exposure time. Amount of exertion required during the work, and personal comfort are other considerations in choice of respirator. A suitable P1 or P2 particulate respirator, but where high levels of dust are encountered, more efficient cartridge-type or powered respirators or supplied-air helmets or suits may be necessary. Use only respirators that are fitted and maintained correctly.

## SECTION 9: Regulatory Information

Appearance:	Off-white blocks
Odour:	None
pH, at stated concentration:	8-10
Vapour Pressure:	Not applicable
Vapour Density:	Not applicable
Boiling Point/Range (°C):	Not applicable
Freezing/Melting Point (°C):	Not determined
Solubility In Water:	Not soluble
Specific Gravity (H <sub>2</sub> O = 1):	0.4-0.7

### FLAMMABLE MATERIALS

o Flash Point:	Not applicable
o Flammable (Explosive) Limits:	Not applicable
o Autoignition Temperature:	Not applicable

### ADDITIONAL PROPERTIES

o Evaporation Rate:	Not applicable
o % Volatiles:	0%

## SECTION 10: DISPOSAL CONSIDERATIONS

Bastion AAC Block can be treated as a common waste for disposal or dumped into a landfill site in accordance with local authority guidelines. Recycling into other construction products is usually a practicable alternative. Dust generation to be avoided

## SECTION 11: OTHER INFORMATION

For further information on this product, contact:

Telephone: 02 80801420

Website: [www.dingocement.com.au](http://www.dingocement.com.au)

Emergency Contact Number: Poisons Information Centre 13 11 26

Australian Standards References:

AS/NZS 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 2161 Industrial safety gloves and mittens (excluding electrical and medical glove).

National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSCH:2011 (2003)], April 2003, National Occupational Health and Safety Commission.

Advice Note:

The information in this document is believed to be accurate. Please check the currency of this MSDS by contacting: 03 80801420

The provision of this information should not be construed as a recommendation to use this product in violation of any patent rights or in breach of any statute or regulation. Users are advised to make their own determination as to the suitability of this information in relation to their particular purposes and specific circumstances. Users should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace and in conjunction with other substances or products