



## SAFETY DATA SHEET

### Autoclaved Aerated Concrete (AAC) Building Panels

#### SECTION 1. PRODUCT & COMPANY IDENTIFICATION

<b>Product Name:</b>	HARPRO Autoclaved Aerated Concrete (AAC) 75mm Building Panels
<b>Product Use:</b>	As load bearing and non-load bearing component for interior and exterior wall, floor and roof slabs.
<b>Supplied by:</b>	Homebuild Global Pty Ltd 1a, 62-66 Newton Road Wetherill Park, New South Wales 2164 Australia Tel: +61 2 9604 8899 Fax: +61 2 9728 9155

#### SECTION 2. INGREDIENTS COMPOSITION & INFORMATION

Component	CAS No.	Percentage Of Weight	OSHA PEL (mg/m3)	ACGIH TLV (mg/m3)
Portland cement	65977-15-1	28	5	10
Silica	14808-60-7	50	0.1	0.1
Lime	39445-23-3	12	5	10
Gypsum	7778-18-9	10	5	10
Expanding agent	Aluminium	0.1-0.15	-	-

#### SECTION 3. PHYSICAL DATA

Boiling Point:	N/A	Specific gravity:	0.5-0.7
Vapour pressure:	N/A	Evaporation rate:	N/A
Vapour density (Air=1):	N/A	Melting point:	N/A
Solubility in water (%weight):	N/A	Volatiles (by volume):	N/A
pH:	9.0-10.5	VOC's (g/litre)	N/A
Appearance and odour: Solid white with no odour			

#### SECTION 4. FIRE AND EXPLOSION HAZARDS

Flash point:	N/A
Flammability (LEL, HEL):	N/A
Hazardous combustion products:	None
Unusual fire and explosion hazards:	None
Special fire fighting procedures:	Applicable for surrounding materials and substances

#### SECTION 5. REACTIVITY DATA

Stability:	Stable
Conditions to avoid:	None
Incompatible materials:	None as this is an inert material
Hazardous decomposition products:	None
Hazardous polymerisation:	Will not occur



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### SECTION 6. HEALTH HAZARD DATA

**EFFECTS OF ACUTE OVEREXPOSURE:**

No acute effects are related to the use of this product.

**EFFECTS OF CHRONIC OVEREXPOSURE:**

Long-term overexposure to high concentrations of dust without the use of a dust mask may reduce respiratory function in some individuals.

**INHALATION:**

When cutting the material, dust particles are generated. Respiratory tract must be protected. Irritation of nose and upper respiratory tract, shortness of breathe. Prolonged inhalation of excessive silica dust may reduce lung function.

**EYES:**

No specific health hazards are related to this route of exposure. When cutting the material, eyes must be protected against dust generated.

**SKIN:**

Handling may cause dry skin. Avoid contact to skin.

**INGESTION:**

Not applicable under normal use. May result in obstruction and temporary irritation of the digestive tract if large quantities are consumed.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:**

Unknown

### SECTION 7. FIRST AID MEASURES

**INHALATION:**

Remove to fresh air. If persistent irritation, severe coughing, or breathing difficulty occurs, seek medical attention.

**EYE CONTACT:**

Remove contact lenses. Flush eyes, including under eyelids, with large amounts of water for 15 minutes. If irritation persists, seek medical attention.

**SKIN CONTACT:**

Wash affected areas with soap and water. If irritation persists seek medical attention.

**INGESTION:**

May result in obstruction if ingested. Seek medical attention.

### SECTION 8. SPECIAL PROTECTION

**RESPIRATORY PROTECTION:**

Dust mask must be worn for dust generating operations.

**PROTECTIVE GLOVES:**

As recommended for construction operations.

**EYE PROTECTION:**

Use of protective safety glasses or goggles is recommended for dust generating operations.



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#### SECTION 9. ADDITIONAL INFORMATION

AAC is a masonry product containing silica sand. All types of masonry blocks, mortar, concrete, bricks and tiles contain silica. When cut, drilled or shaped with high-speed power tools, fine crystalline silica dust (along with cement and other dust) can be released in tiny airborne particle sizes that could be inhaled and remain in the lungs. Long-term exposure to this kind of dust may irritate the lung surface, causing a respiratory illness known as silicosis. This may contribute to more serious conditions, such as lung cancer. When using power tools on any concrete or ceramic product, we advise the use of dust masks to prevent dust inhalation. Note that manual tools, such as handsaws, will not generate fine enough dust to be dangerous to breathe.

#### **WASTE DISPOSAL:**

Follow the above safety instructions, collect waste and dust by sweeping or vacuuming and place in containers.

Dispose of containers and waste according to local, state or federal regulations.

#### SECTION 10. DISCLAIMER

The information contained in this material Safety Data Sheet is believed to be reliable. No guarantee is implied or expressed regarding the accuracy of this information or the use of the product since the conditions of use are beyond manufacturer's control. Nothing contained herein should be construed as a recommendation to use this product in conflict with existing patents covering any material or its use.

This SDS was generated from information available of the components of this product.

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