

Material Safety Data Sheet

AUTOCLAVED AERATED CONCRETE (AAC)

SECTION I. PRODUCT IDENTIFICATION

Product Name: HEBEL - Autoclaved Aerated Concrete (AAC)

Product Use: Load bearing and non load bearing components for interior and exterior wall, floor and roof slabs.

Manufacturer's Information: Xella Aircrete North America Inc.
2400 Hebel Boulevard
Adel, Georgia 31620

Telephone: 229.896.1593 (Tel)
229.896.1912 (Fax)

SECTION II. HAZARDOUS INGREDIENTS

COMPONENT	CAS No.	% by Weight	OSHA PEL (mg/m ³)	ACGIH TLV (mg/m ³)
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	PATENTED	0.1 - 0.15	--	--

SECTION III. PHYSICAL DATA

Boiling Point :	N/A	Specific Gravity:	0.5-0.7
Vapor Pressure:	N/A	Evaporation Rate:	N/A
Vapor Density (Air=1):	N/A	Melting Point:	N/A
Solubility in Water (%wt)	N/A	Volatiles (by vol.):	N/A
pH:	9.0-10.5	VOC's (g/lit)	N/A
Appearance and odor:	White solid with no odor		

SECTION IV. FIRE AND EXPLOSION HAZARDS

Flash Point : N/A

Flammability (LEL,HEL) N/A

Hazardous combustion products: None

Unusual fire and explosion hazards: None

Special Firefighting procedures: The applicable for surrounding materials and substances

SECTION V. REACTIVITY DATA

Stability: Stable

Conditions to avoid: None

Incompatible materials: None, this is an inert material

Hazardous decomposition products: None

Hazardous polymerization: Will not occur

SECTION VI. 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 breath. 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 VII. 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 VIII. 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.

SECTION IX. ADDITIONAL INFORMATION

AAC dust contains crystalline silica which has been evaluated as Group 2A (probably carcinogenic to humans) by the International Agency for Research on Cancer (IARC).

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.

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This MSDS was generated from information available of components of this product. It complies with minimum requirements stated by OSHA as defined in Section G, 29CFR1910.1200.

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