



SAFETY DATA SHEET

GEMCAST MANUFACTURING INC.

60 Alpine Court, Kitchener, ON N2E 2M7

SECTION 1 PRODUCT IDENTIFICATION

PRODUCT TRADE NAME: Geminite SW 607 Board & Shapes

PRODUCT DESCRIPTION: Board ALKALINE-EARTH SILICATE (AES) WOOL PRODUCT

WHMIS CLASSIFICATION: Not Applicable DATE: February 4, 2016

HMIS RATING: 1 HEALTH 0 FLAMMABILITY 0 REACTIVITY 0 OTHER

0 = Insignificant 1 = Slight 2 - Moderate 3 = High 4 = Extreme

SECTION 2 HAZARD IDENTIFICATION

a - Classification of the chemical in accordance with paragraph (d) of §1910.1200

Not Classified

b - Signal word, hazard statement(s), symbol(s) and precautionary statement(s) in accordance with paragraph (f) of §1910.1200

Signal Words

None

c - Describe any hazards not otherwise classified that have been identified during the classification process

Mild mechanical irritation to skin, eyes and upper respiratory system may result from exposure. These effects are usually temporary.

d - Mixture Rule

Not applicable.

3 - Composition / Information On Ingredients

a - Composition table

COMPONENTS	CAS NUMBER	% BY WEIGHT
Alkaline-Earth Silicate Wool	436083-99-7	68 – 85
Silica, Amorphous	7631-86-9	Proprietary
Starch	9005-25-8	2 – 10%

d - Impurities and Stabilizing Additives

Not applicable

SECTION 3	PHYSICAL DATA
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pH	Not applicable
APPEARANCE:	White with a wool type appearance
COLOUR:	White
MELTING POINT:	2327°F – 2372°F (1275°C - 1300°C)*
DECOMPOSITION POINT:	None
FLASH POINT:	None
SOLUBILITY:	Less than 1mg/litre

**Typical values for this product*

SECTION 4	FIRE & EXPLOSION DATA
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FLASH POINT:	Not applicable. Insulation board not flammable
EXTINGUISHING MEDIA:	Suitable for surrounding fire
SPECIAL FIRE FIGHTING PROCEDURES:	None
UNUSUAL FIRE & EXPLOSION HAZARDS:	None

SECTION 5	REACTIVITY DATA
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CONDITIONS TO AVOID:	None known
INCOMPATIBILITY (MATS TO AVOID):	Avoid contact with strong acids
HAZARDOUS DECOMPOSITION PRODS:	Upon heating above 1650°F for sustained periods, this amorphous material begins to transform to mixtures of crystalline phases
HAZARDOUS POLYMERIZATION:	Not Applicable

SECTION 6	HEALTH HAZARD DATA
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EFFECT OF OVEREXPOSURE BY:	
INHALATION:	May cause temporary irritation upper respiratory tract
SKIN CONTACT:	May cause temporary irritation
EYE CONTACT:	May cause temporary irritation
INGESTION:	Low toxicity

OTHER INFORMATION:

EXPOSURE LIMITS: (INHALATION) Canada 0.5-1.0 fibres/1cc/8 hrs. TWA.

SENSITIZATION TO PRODUCT: People with sensitive skin should avoid long term exposure.
Rare possibility of allergy

CARCINOGENICITY: The International Agency on Cancer (IARC) has designated aluminosilicate fibre as a group 2b. This is a probable human carcinogen.

AFTER SERVICE REMOVAL OF ROPE: If the insulation board is exposed to temperatures over 985°C this may cause a formation of crystalline silica which is a suspect carcinogenic to man. If this is the case, then personnel removing this material must be fully protected while the operation is taking place.

SECTION 7 FIRST AID MEASURES

INHALATION: Move person to fresh air. Treat symptoms. Obtain medical attention immediately

EYE CONTACT: Flush with water for 20 minutes.

SKIN CONTACT: Wash with soap and water.

INGESTION: Do not induce vomiting; drink several glasses of water. Seek medical attention.

SECTION 8 SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Wear a NIOSH/MSHA approved air-purifying respirator with dust cartridge or equivalent

VENTILATION: General area ventilation is recommended.

EYE PROTECTION: Safety glasses with side shields

PROTECTIVE GLOVES: Impermeable gloves (PVC or cotton)

OTHER PROTECTIVE EQUIPMENT: None normally required. If clothing is contaminated, remove clothing and wash with soap and water. Launder contaminated clothing before reuse.

SECTION 9 SPECIAL PRECAUTIONS

IN HANDLING AND STORAGE: Avoid breathing product dust when taken out of container

OTHER: Keep in a container in a dry area

SECTION 10 SPILL & LEAK INFORMATION

ENVIRONMENTAL EFFECTS: Not known to be harmful to aquatic life at low concentrations.
No quantitative data is available

STEPS TO BE TAKEN IN THE EVENT OF WASTE ON FLOOR: Gently sweep the waste into a shovel in order to prevent dust

WASTE DISPOSAL: Dispose of wastes in an approved disposal site (not considered a hazardous waste).

SECTION 11 TRANSPORTATION INFORMATION

NOT REGULATED - **FOR EMERGENCY CALL - (519) 894-9898**

SECTION 12 ECOLOGICAL INFORMATION

These products are not reported to have any ecotoxicity effects, No bioaccumulative potential, No mobility in soil, and there are no adverse effects of this material on the environment that are anticipated.

SECTION 13 PREPARATION INFORMATION

BIBLIOGRAPHY

DANGEROUS PROPERTIES OF INDUSTRIAL CHEMICALS:

Sax, N. Irving ed., Van Nostrand Reinhold Company, NY. 6th edition, 1984

ANNUAL REPORT ON CARCINOGENS:

U.S. Department of Health and Human Services, Public Health Service, NTP 85-002, 1985

THRESHOLD LIMIT VALUES AND BIOLOGICAL EXPOSURE INDICES;

American Conference of Governmental Industrial Hygienists, OH

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