

SAFETY DATA SHEET

GEMCAST MANUFACTURING INC.

60 Alpine Court, Kitchener, ON N2E 2M7

SECTION 1 PRODUCT IDENTIFICATION

PRODUCT TRADE NAME: Geminite H_{SIC} – Series Board & Shapes

PRODUCT DESCRIPTION: High Temperature Insulation Board

WHMIS CLASSIFICATION: Class D-2A DATE: April 27, 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

The U.S. Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (HCS) 2012 indicates that IARC Group2B corresponds to OSHA HCS 2012 Category 2 carcinogen classification (see, e.g., §1910.1200, Appendix F, Part D).

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

Under OSHA HCS 2012, RCF is classified as category 2 carcinogen.

Hazard Pictograms



Signal Words

Warning

Hazard Statements

Suspected of causing cancer by inhalation.

Precautionary Statements

Do not handle until all safety instructions have been read and understood. Use respiratory protection as required; see section 8 of the Safety Data Sheet. If concerned about exposure, get medical advice.

Store in a manner to minimize airborne dust.

Dispose of waste in accordance with local, state and federal regulations.

Supplementary Information

May cause temporary mechanical irritation to exposed eyes, skin or respiratory tract. Minimize exposure to airborne dust.

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
Amorphous silica	7631-86-9
Refractories, Fibers, Aluminosilicat	142844-00-6
Silicon Carbide	409-21-2
Starch	9005-25-8

b - Common Name

RCF, ceramic fiber, Alumino Silicate Wool (ASW), synthetic vitreous fiber (SVF), man-made vitreous fiber (MMVF), man-made mineral fiber (MMMMF), high temperature insulation wool (HTIW).

d - Impurities and Stabilizing Additives

Not applicable

SECTION 3**PHYSICAL DATA**

FORM:	Semi hard fibre board
pH	Not applicable
APPEARANCE:	Off white
COLOUR:	Light beige/Off White
MELTING POINT:	1760°C*
DECOMPOSITION POINT:	Not available
FLASH POINT:	Not applicable
SOLUBILITY:	Not applicable. Alumosilicate fibre not soluble in water. Insulation board will soften in contact with water.

**Typical values for this product*

SECTION 4 FIRE & EXPLOSION DATA

FLASH POINT:	Not applicable. Insulation board not flammable
EXTINGUISHING MEDIA:	Use water
SPECIAL FIRE FIGHTING PROCEDURES:	CO or CO ² and smoke will be given off from binder in the insulation board
UNUSUAL FIRE & EXPLOSION HAZARDS:	None

SECTION 5 REACTIVITY DATA

CONDITIONS TO AVOID:	None known
INCOMPATIBILITY (MATS TO AVOID):	Soluble in hydrofluoric acid, phosphoric acid and concentrated alkali
HAZARDOUS DECOMPOSITION PRODS:	Oxides of carbon and trace ammonia may be released from starch during initial heating
HAZARDOUS POLYMERIZATION:	Will not occur

SECTION 6 HEALTH HAZARD DATA**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:	N/A
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
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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
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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
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IN HANDLING AND STORAGE:	Avoid breathing product dust when taken out of container
OTHER:	Keep in a container in a dry area When installing board avoid the use of tools that will cause dust. Clean work area using HEPA filter vacuum or wet sweep.

SECTION 10	SPILL & LEAK INFORMATION
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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 WHMIS CLASSIFICATION

CLASSIFIED D-2A - **Materials Causing Other Toxic Effects**

SECTION 13 PREPARATION INFORMATION

BIBLIOGRAPHY

DANGEROUS PROPERTIES OF INDUSTRIAL CHEMICALS:

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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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