



6400 Shawson Drive, Unit 1, Mississauga, ON L5T 1L8  
Tel: (905) 564-0807 Fax: (905) 564-4812

## SECTION 1 PRODUCT IDENTIFICATION

**PRODUCT TRADE NAME:** Ceramic LD Millboard

**PRODUCT DESCRIPTION:** High Temperature Insulation Board

**WHMIS CLASSIFICATION:** Class D-2A **DATE::** March 14<sup>th</sup>, 2005

**HMIS RATING:** 1 HEALTH 0 FLAMMABILITY 0 REACTIVITY 0 OTHER

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

## SECTION 2 COMPOSITION - HAZARDOUS MATERIALS

Amorphous silica CAS 7631-86-9. 2 – 10%

Aluminosilicate fibre CAS 12844-006

## 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. Aluminosilicate fibre not soluble in water.  
Insulation board will soften in contact with water.

Above are 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<sup>2</sup> and smoke will be given off from binder in the insulation board

**UNUSUAL FIRE & EXPLOSION HAZARDS:** None



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## SECTION 5 REACTIVITY DATA

<b>Conditions to Avoid:</b>	None known
<b>Incompatibility (Materials to Avoid):</b>	Soluble in hydrofluoric acid, phosphoric acid and concentrated alkali
<b>Hazardous Decomposition Products:</b>	Co <sup>2</sup> , CO and smoke on new board due to binder
<b>Hazardous Polymerization:</b>	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:

**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 BOARD:** 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

<b>Inhalation:</b>	Move person to fresh air. Treat symptoms. Obtain medical attention immediately
<b>Eye Contact:</b>	Flush with water for 20 minutes. .
<b>Skin Contact:</b>	Wash with soap and water.
<b>Ingestion:</b>	Do not induce vomiting; drink several glasses of water. Seek medical attention.



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## 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
- 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

- ENVIRONMENTAL EFFECTS:** Not known to be harmful to aquatic life at low concentrations. No quantitative data are 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 - (905) 564-0807

## SECTION 12 WHMIS CLASSIFICATION

CLASSIFIED D-2A



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<b>SECTION 13      PREPARATION INFORMATION</b>
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