

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

**RAMCO HICEM
FIBRE CEMENT BOARD**

2. HAZARDS IDENTIFICATION

Avoid creating dust and use slow-running tools which produce only coarse dust or chips, rather than high speed machines, thus generating inhalable dust

3. COMPOSITION

Product	CAS Number	Composition %
Portland cement	65997-15-1	<60
Crystalline silica (Quartz)	14808-60-7	<40
Cellulose Pulp	9004-34-6	<10
Fly ash	68131-74-8	<30
Other Non-Hazardous Ingredients	N/A	<10

4. FIRST AID MEASURES

Eye Contact: Flush eye immediately with water or physiological saline for at least 15 minutes. Remove any contact lenses and open eye widely. If irritation continues, seek medical advice.

Skin Contact: Wash the skin thoroughly with water.

Inhalation: Take exposed person to fresh air.

Ingestion: Flush mouth thoroughly and drink plenty of water.

Information: Show this document (SDS) to the doctor or the casualty department.

5. FIRE FIGHTING MEASURES

Fire Precautions: No special precautions required.

Firefighting Equipment: Not applicable.

Hazardous Decomposition Products: Not flammable.

6. ACCIDENTAL RELEASE MEASURES

Not applicable

7. HANDLING AND STORAGE

Handling: (Applicable only when cutting operation is carried out). For hand operations or short time and intermittent use of slow running tools in the open air, special precautions are not normally required. Avoid inhalation of dust. Care should be taken when handling boards.

Storage: Pallets/boards should be stored on flat surface, in a dry, covered, frost proof and well-ventilated area. During transport the products should be covered.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ramco boards do not allow dust into the environment and is applicable only when cutting operation is carried out

Eyes:

Use safety goggles suitable for dust protection during cutting and drilling.

Skin:

Use protective gloves and normal working overalls as appropriate.

Inhalation:

Wear suitable, approved personal protective equipment; a mask with dust filter type P2 (for fine dust) may be appropriate for cutting and drilling.

Workplace Layout:

No specific requirements. The work area should be well ventilated if dust is generated during work.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Grey in color
Delivery Form	Strong Flexible
Odor	None
Boiling Point	Not Applicable
Melting Point	Not Applicable
Flash Point	Not Applicable
Flammability	Not Applicable
Explosive properties	Not Applicable
Oxidizing properties	Not Applicable
Vapor Pressure	Not Applicable
Average density	1.20 gm/cc
<u>Solubility</u>	
Water solubility	Insoluble
Fat Solubility	Not Applicable
pH Value	8 - 9
Partition coefficient	Not applicable
Viscosity	Not applicable

10. STABILITY AND REACTIVITY

Stable and inert.

11. TOXICOLOGICAL INFORMATION

Routes of Exposure: Lungs, gastro-intestinal tract and eyes (dust created in cutting or drilling of the boards).

Short Term Effects:

Eyes: Dust particles may cause temporary irritation and watering of the eyes.

Skin: None anticipated.

Inhalation: Dust may result in irritation of the respiratory tract.

Ingestion: Mild discomfort.

Long Term Effects: Prolonged inhalation of high concentrations of the dust may cause respiratory conditions.

12. ECOLOGICAL INFORMATION

No significant effect.

13. DISPOSAL CONSIDERATIONS

Waste Disposal: Treat as construction industry waste in accordance with local legislations

14. TRANSPORT INFORMATION

No special requirements

15. REGULATORY INFORMATION

**OCCUPATIONAL EXPOSURE STANDARD (OES)
 SHORT TERM EXPOSURE LIMIT (STEL)**

Calcium Silicate:

OES 10mg/m³ total inhalable dust, 5mg/m³ respirable dust, 8-hour time weighted averages.

Cellulose:

OES 10mg/m³ total inhalable dust, 5mg/m³ respirable dust, 8-hour time weighted averages and STEL 20mg/ m³.

16. OTHER INFORMATION

Fields of Application:

Boards for use in construction industry.

Restriction of Application:

None anticipated.

Requirements Concerning Special Training:

No special training necessary. The worker shall be fully instructed in the conduct of the job and be informed of the contents of this document (SDS).

As of the date of preparation of this document, the foregoing information is believed to be accurate and is provided in good faith. However, no warranty or representation with respect to such information is intended or given.

For Ramco Industries Limited