

Section 1 - Product and Company Identification

Product Name : Glasswool Insulation

Trade Names:

Eliment Wall Slab
Eliment Ceiling Slab

Manufacturer Information :

PGF Insulation Sdn. Bhd.
No. 2449, Lorong Perusahaan Sepuluh, Kawasan Perusahaan Perai, 13600 Perai, Penang, Malaysia.
Tel: +604 390 8460
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Section 2 – Hazards Identification

Classification of the substance or mixture

Physical hazards : Not Classified
Health hazards : Not Classified
Environmental hazards : Not Classified

GHS Classification

The product is not classified.

GHS label elements

Hazard pictogram : None
Signal word : None
Hazard statements : None
Precautionary statements : None

Other hazards

Physical hazards : None
Health hazards : Contact with skin, eyes and upper respiratory system may cause mechanical irritation.
Environmental hazards : None

Section 3 – Composition / Information on Ingredients

Biosoluble glass mineral wool: >85%
Thermo set bonding agent : 0% - 15%

Section 4 - First Aid Measures

Description of first aid measures

General information : Show this Safety Data Sheet to the medical professional in attendance.
If symptoms occur, follow first aid measures as appropriate.

Inhalation	: Remove to fresh air. Rinse the throat and clear dust from airways.
Eye contact	: Rinse eyes with large amounts of water for at least 15 minutes.
Skin contact	: Remove contaminated clothing, and wash skin gently with soap and water.
Ingestion	: Rinse mouth with water to remove fibres, and drink plenty of water if accidentally ingested.
Notes to physician	: Contact with skin, eyes and upper respiratory system may cause mechanical irritation. Bio-soluble glass mineral wool is generally considered to be a nuisance dust. Treatment should be directed toward removing the source of irritation with symptomatic treatment as necessary.

Section 5 – Fire Fighting Measures

Extinguishing media

Suitable extinguishing media : Water, foam, carbon dioxide (CO₂), and dry powder.
Unsuitable extinguishing media : None.

Special hazards arising from the substance or mixture

Products do not pose a fire hazard in use. However, combustion of product & packaging materials may release carbon dioxide, carbon monoxide and trace gases such as volatile organic substances.

Special protective equipment and precautions for fire fighters

In large fires involving packaging materials, respiratory protection / breathing apparatus may be required.

Section 6 – Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

In dusty environments, use suitable respiratory protection such as N95 or equivalent. Wear goggles when working with mineral wool insulation above shoulder height or in dusty environments. Minimize direct contact with skin. Rinse skin with water to reduce potential effects of mechanical itching.

Environmental precautions

Not relevant.

Methods and material for containment and cleaning up

Use vacuum equipment where possible to minimize dust levels.

Section 7 – Handling and Storage

Precautions for safe handling

Use personal protective equipment as described in Section 8

Conditions for safe storage, including any incompatibilities

Products should be stored inside the building to protect them from ingress of rain water.

Section 8 – Exposure Controls / Personal Protection

Occupational exposure limits

Long-term exposure limit (8-hour TWA): ACGIH, TLV 1 f/ml. Total dust (Note A3).

Appropriate engineering controls

Maintain a good mechanical or natural ventilation to keep the air borne dust and fibre below the TWA / TLV. Local ventilation equipment should be properly designed by a professional engineer.

Personal protective equipment

Eye / face protection : Wear safety glasses or goggles when working in dusty environment.

Respiratory protection : Use suitable respiratory protection approved by DOSH with an efficiency rating of N95 or higher when working in dusty environments.

Skin protection : Wear leather or cotton gloves to minimize direct contact with skin in order to prevent mechanical irritation. Wear cap, loose-fitting, long-sleeved shirt and long pants to minimize exposure to dust. Exposed skin areas should be washed with soap and water after handling or working with the products.

Section 9 – Physical and Chemical Properties

Appearance	: Brown to dark brownish
Odor	: No significant odor
Physical state	: Solid
Melting point	: Not applicable
Boiling point	: Not applicable
Flash point	: Not applicable
pH	: Not applicable
Vapour pressure	: Not applicable
Freezing point	: Not applicable
Biopersistence	: Half-time for fibres longer than 20µm after the intratracheal instillation, is less than 40 days. (Result obtained from a test conforming to the European regulation).

Section 10 – Stability and Reactivity

Reactivity	: None
Chemical stability	: Binder will decompose above 200°C.
Hazardous reactions	: None
Conditions to avoid	: Heating above 200°C.
Incompatible materials	: Hydrofluoric acid will react with and dissolve glass.
Hazardous decomposition products	: None

Section 11 – Toxicological Information

Acute toxicity	: No data were identified for the product as a whole.
Skin corrosion / irritation	: May cause mechanical irritation to skin.
Eye damage/irritation	: May cause mechanical irritation to eyes.
Respiratory sensitisation	: No data were identified for this product or its constituents.
Carcinogenicity	: Results from a bio-persistence test by intratracheal instillation has shown that fibres of the product longer than 20 µm have a weighted half-life less than 40 days. This product is not classified as a carcinogen.
Germ cell mutagenicity	: Glass Mineral Wool. ACGIH : A4 Not classifiable as a Human Carcinogen. IARC: Group 3 – Not Classifiable (IARC Monograph 43, 1988; Monograph 81, 2002).
Reproductive toxicity	: No data were identified for this product or its constituents.

Section 12 – Ecological Information

Ecotoxicity (aquatic and terrestrial)	: This product is not exotoxic to air, water or soil, by composition.
Persistence and degradability	: Inert inorganic product with thermo set, inert bonding agent.
Bioaccumulative potential	: Will not bioaccumulate.
Mobility in soil	: Not considered mobile.

Section 13 – Dispose of Waste According to Local Council Regulations

Disposal should be in accordance with applicable local, regional and/or national regulations

Section 14 – Transportation Information

The product is not classified by international regulations on the transport of dangerous goods (IMDG, IATA).

Section 15 – Regulatory Information

Refer to the local Safety, Health and Environmental Regulations where the product is used.

Section 16 – Other Information

Prepared for:

PGF Insulation Sdn. Bhd.
No. 2449, Lorong Perusahaan Sepuluh,
Kawasan Perusahaan Perai, 13600 Perai,
Penang, Malaysia.

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