

GLASS MINERAL WOOL INSULATION

Material Safety Data Sheet # 6556

Section 1 - Chemical Product and Company Identification

Product Name : Glass Mineral Wool Insulation

- CAS# : Not applicable
- Generic Name : BROWNIE
- Formula : Not available
- Chemical Name : Mixture

Manufacturer Information :

PGF Insulation Sdn. Bhd. No. 2449, Lorong Perusahaan Sepuluh, Kawasan Perusahaan Perai, 13600 Perai, Penang, Malaysia. Tel: +604 390 8460 Fax: +604 399 6197 E-mail: sales@ecowool.com.my

Trade Names :

BROWNIE Blanket BROWNIE Board BROWNIE Slab BROWNIE SPI BROWNIE Acoustic Ceiling Panels

Section 2 - Composition / Information on Ingrédients

Component	Percent
Glass Mineral Wool Fibre	> 85%
Proprietary Binder	< 15%
Mineral Oil (solvent refined)	< 2%

Additional Component Information

Some products have facings of kraft paper, vinyl, or other materials.





Section 3 - Hazards Identification

Emergency Overview

APPEARANCE AND ODOR: Glass Mineral Wool blanket, board or sectional pipe; light brown with or without facings. No significant odor.

Inhalation of excessive amounts of dust from the product may cause temporary upper respiratory irritation and/or congestion—remove individual to fresh air.

Potential Health Effects

Summary

Breathing dust from this product may cause a scratchy throat, congestion, and slight coughing. Getting dust or fibres on the skin, or in the eyes may cause itching, rash, or redness. Additional health and safety information is provided in Section 11 of this material safety data sheet.

Inhalation

Irritation of the upper respiratory tract (scratchy throat), coughing, and congestion may occur in extreme exposures.

Skin

Temporary irritation (itching) or redness may occur.

Absorption

Not applicable

Ingestion

This product is not intended to be ingested (eaten). If ingested, it may cause temporary irritation to the gastrointestinal (digestive) tract.

Eyes

Temporary irritation (itching) or redness may occur.

Ears

Temporary irritation (itching) or redness may occur.

Primary Routes of Entry (Exposure)

Inhalation (breathing dust), skin, and eye contact.

Target Organs

Nose (nasal passages), throat, lungs, skin, eyes.

Medical Conditions Aggravated by Exposure

Pre-existing chronic respiratory, skin, or eye diseases or conditions.

Section 4 - First Aid Measures

First Aid: Inhalation

Remove to fresh air. Drink water to clear throat, and blow nose to remove dust.

First Aid: Skin

Wash gently with soap and warm water to remove dust. Wash hands before eating or using the restroom.

First Aid: Ingestion

Product is not intended to be ingested or eaten. If this product is ingested, irritation of the gastrointestinal (GI) tract may occur, and should be treated symptomatically. Rinse mouth with water to remove fibres, and drink plenty of water to help reduce the irritation. No chronic effects are expected following ingestion.

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Method Used: Not applicable

Lower Flammable Limit (LFL): Not applicable

Flammability Classification: Not determined

First Aid: Eyes

Do not rub or scratch your eyes. Dust particles may cause the eye to be scratched. Flush eyes with large amounts of water for 5-15 minutes. If irritation persists, contact a medical professional.

First Aid: Ears

Do not rub or scratch the ear if itching occurs. Wash gently with soap and warm water to remove dust or fibres. First Aid: Notes to Physician

This product is a mechanical irritant, and is not expected to produce any chronic health effects from acute exposures. Treatment should be directed toward removing the source of irritation with symptomatic treatment as necessary.

Section 5 - Fire Fighting Measures

Flash Point
Upper Flammable Limit (UFL)
Auto Ignition
Rate of Burning
General Fire Hazards

: Not applicable

- : Not applicable
- : Not determined
- : Not determined

There is no potential for spontaneous fire or explosion.

Extinguishing Media

Carbon dioxide (CO2), water, water fog, dry chemical.

Fire Fighting Equipment/Instructions

No special procedures are expected to be necessary for this product. Normal fire fighting procedures should be followed to avoid inhalation of smoke and gases.

Section 6 - Accidental Release Measures

Containment Procedures

Pick up large pieces. Vacuum dusts. If sweeping is necessary, use a dust suppressant such as water. Do not dry sweep dust accumulation or use compressed air for clean-up. These procedures will help to minimize potential exposures.

Clean-Up Procedures

Avoid the generation of dusts during clean-up.

Section 7 - Handling and Storage

Handling Procedures

Use protective equipment as described in Section 8 of this material safety data sheet when handling uncontained material.

Storage Procedures

Warehouse storage should be in accordance with package directions, if any. Material should be kept clean, dry, and protected from moisture.



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Section 8 - Exposure Controls / Personal Protection

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Safety glasses with side shields are recommended to keep dust out of the eyes.

Personal Protective Equipment: Ears

Use ear protection (earplugs, hood, or earmuffs) to prevent airborne dust or glass mineral wool fibres from entering the ear, if necessary.

Personal Protective Equipment: Skin

Leather or cotton gloves should be worn to prevent skin contact and irritation. Barrier creams may also be used to reduce skin contact and irritation caused by glass mineral wool fibre.

Personal Protective Equipment: Respiratory

A respirator should be used if ventilation is unavailable, or is inadequate for keeping dust and fibre levels below the applicable exposure limits. In those cases, use a NIOSH-certified disposable or reusable particulate respirator with an efficiency rating of N95 or higher (under 42 CFR 84) when working with this product. For exposures up to five times the established exposure limits use a quarter-mask respirator, rated N95 or higher; and for exposures up to ten times the established exposure limits use a half-mask respirator (e.g., MSA's DM-11, Racal's Delta N95, 3M's 8210), rated N95 or higher. Operations such as sawing, blowing, tear out, and spraying may generate airborne fibre concentrations requiring a higher level of respiratory protection. For exposures up to 50 times the established exposure limits use a full-face respirator, rated N99 or higher.

Ventilation

In fixed manufacturing settings, local exhaust ventilation should be provided at areas of cutting to remove airborne dust and fibre. General dilution ventilation should be provided as necessary to keep airborne dust and glass mineral wool fibres below the applicable exposure limits and guidelines. The need for ventilation systems should be evaluated by a professional industrial hygienist, while the design of specific ventilation systems should be conducted by a professional engineer.

Personal Protective Equipment: General

Wear a cap, a loose-fitting, long-sleeved shirt and long pants to protect skin from irritation. Exposed skin areas should be washed with soap and warm water after handling or working with fibre glass. Clothing should be washed separately from other clothes, and the washer should be rinsed thoroughly (run empty for a complete wash cycle). This will reduce the chances of fibre glass being transferred to other clothing.





Section 9 - Physical & Chemical Properties

Appearance	:	Light Brown
Odor	:	No significant odor
Physical State	:	Solid
Vapor Pressure	:	Not applicable
Boiling Point	:	Not applicable
Solubility (H2O)	:	Nil
Freezing Point	:	Not applicable
Percent Volatile	:	0

рН	:	Not applicable
Vapor Density	:	Not applicable
Melting Point	:	>704ºC/1300ºF
Specific Gravity	:	Variable
Evaporation Rate	e:	Not applicable
VOC	:	Not applicable

Section 10 - Chemical Stability & Reactivity Information

Chemical Stability

This is a stable material. This product is not reactive. Hazardous Decomposition None known Hazardous Polymerization

Will not occur.

Section 11 - Toxicological Information

Acute Toxicity

A: General Product Information

Dust from this product is a mechanical irritant, which means that it may cause temporary irritation or scratchiness of the throat, and/or itching of the eyes and skin.

Carcinogenicity

Component Carcinogenicity

Fibre Glass Mineral Wool

ACGIH: A4 - Not Classifiable as a Human Carcinogen

IARC: Group 3 - Not Classifiable (IARC Monograph 43, 1988; Monograph 81, 2002)

Chronic Toxicity

Fibre Glass Mineral Wool: In October 2001, IARC classified fibre glass wool as Group 3, "not classifiable as to its carcinogenicity to humans." The 2001 decision was based on current human and animal research that shows no association between inhalation exposure to dust from fibre glass wool and the development of respiratory disease. This is a reversal of the IARC finding in 1987 of a Group 2B designation (possibly carcinogenic to humans) based on earlier studies in which animals were injected with large quantities of fibre glass. NTP and ACGIH have not yet reviewed the IARC reclassification or the most current fibre glass health research; at this time, both agencies continue to classify glass wool based on the earlier animal injection studies.





Section 12 - Ecological Information

Ecotoxicity

A: General Product Information

Neither the raw materials nor the finished product contain any ozone depleting chemicals. This product is not classified as a hazardous air pollutant.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

No ecotoxicity data are available for this product's components

Section 13 - Disposal Considerations

Waste Number & Descriptions

A: General Product Information

This product, as supplied, is not regulated as a hazardous waste by any Department of Environmental (DOE). Comply with state and local regulations for disposal. If you are unsure of the regulations, contact your local Public Health Department, or the local office of the DOE.

B: Component Waste Numbers

No DOE Waste Numbers are applicable for this product's components.

Disposal Instructions

Dispose of waste material according to State, or Federal Environmental Regulations.

Section 14 - Transportation Information

Shipping Name: This product is not classified as a hazardous material for transport.

Section 15 - Other Information

Prepared for:

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

The information herein is presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws of Malaysia.

This is the end of MSDS # 6556



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