

GLASS MINERAL WOOL INSULATION

Material Safety Data Sheet # 6599

Section 1 - Chemical Product and Company Identification

Product Name : Bio-soluble Glass Mineral Wool Insulation
CAS# : Not applicable
Generic Name : ECOWOOL
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: info@ecowool.com.my

Contact Numbers:

Ecowool Insulation Services T: 1300 007 453 E: admin@ecowoolinsulation.com.au
Poisons Information Centre 13 11 26 (Australia Wide)
Australian Emergency Line 000

Imported into Australia by: -

ECOWOOL Insulation Pty. Ltd.
25 Resource Way,
Malaga 6090

Trade Names :

ECOWOOL Acoustic batts - ECOWOOL NoiseBreak
ECOWOOL Ceiling batts - ECOWOOL Classic Blanket
ECOWOOL Wall batts - ECOWOOL Roofing Blanket

Recommended use:

Thermal and acoustic insulation and energy conservation. Used in homes, public and commercial buildings, warehouses, schools, hospitals, and education buildings.

Section 2 - Composition / Information on Ingredients

Component	Percent
Glass Mineral Wool	> 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, batts, board or sectional pipe; light brown with or without facings. No significant odour.

Section 4 - First Aid Measures

Inhalation

Remove to fresh air. Drink water to clear throat, and blow nose to remove dust. If symptoms persist seek medical attention.

Skin

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

Ingestion

Rinse mouth and lips with water and drink plenty of water. No chronic effects are expected following ingestion.

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.

Ears

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

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	: Not applicable
Upper Flammable Limit (UFL)	: Not applicable
Lower Flammable Limit (LFL)	: Not applicable
Auto Ignition	: Not determined
Flammability Classification	: Not determined
Rate of Burning	: Not determined

Method Used: Not applicable

General Fire Hazards

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 dust. 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 dust 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. This product is safe to use, once installed does not release dust or fibres and does not cause health effects.

Storage Procedures

Warehouse storage should be in accordance with package directions, if any. Product should not be stored under a compressed state for more than 90 days upon delivery / purchase. Material should be kept clean, dry, and protected from moisture.

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: Skin

Refer below (General).

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.

Ventilation

During most applications and installations of this product, no special ventilation is required. Work practices should aim to minimise the release of and exposure to fibres and dust. Hand tools generate a lesser amount of fibres and dust. 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.

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 glass mineral wool. Clothing should be washed separately from other clothes.

Section 9 - Physical & Chemical Properties

Appearance	: Light Brown	pH	: Not applicable
Odor	: No significant odor	Vapor Density	: Not applicable
Physical State	: Solid	Melting Point	: >704°C/1300°F
Vapour Pressure	: Not applicable	Specific Gravity	: Variable
Boiling Point	: Not applicable	Evaporation Rate	: Not applicable
Solubility (H2O)	: Nil	VOC	: Very low <1%
Freezing Point	: 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

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

Glass Mineral Wool: In October 2001, IARC classified glass mineral 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 glass mineral wool and the development of respiratory disease.

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 - Regulatory information

According to IARC glass (fiberglass) wool is classified as Group 3, "not classifiable as to its carcinogenicity to humans". (In October 2001, the International Agency for Research on Cancer "IARC", part of the World Health Organisation reviewed its 1987 classification of mineral wool fibers and removed them from the list of possible carcinogens).

Exposure Limits: Recommended Workplace exposure limit (WEL) to meet country's requirements on the 8 hour time weighted average gravimetric measure.

Section 16 - Other Information & References

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 and local laws of Australia.

This MSDS was correct at the time it was prepared,. The information in it must not be altered, deleted or added to.

This is the end of MSDS # 6599