



SFG INSULATION

MATERIAL SAFETY DATA SHEET

MSDS

Section 1: Chemical Product and Company Information

Product Name (s): Basic glasswool insulation SFG Insulation, UBB, UB, FSO, FKP, CRB, WFO, FRO, FLO, DLN, GTB, HIGH-TEMP Insulation, Pipe Cover Insulation (PCI), Green Wool, ARMAX, GC Acoustic board
Stay Cool, Supercool, Roof Batt,
Green Batt, SFG Home Insulation, Cylence Batt, AGI Thermal Batt, AGI Acoustic Batt,

Use : Thermal and acoustic insulation, including energy conservation. Used in homes, public and commercial buildings, warehouses, industrial and petrochemical plants, Motor vehicles, ships, etc.

Manufacturer : Siam Fiberglass Co.,Ltd
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Section 2: Composition / Information on Ingredients

CAS No.	Component	Percent by Wt.
65997-17-3	Fiberglass, Glasswool	85-96
25104-55-6	Urea, Polymer with formaldehyde and phenol	4-15

Component Related Regulatory Information This product may be regulated, have exposure limits or other information identified as the following: Fiber Glass wool, fibrous glass, insulation glasswool (respirable size) and nuisance particulates.

Component Information / information on Non-Hazardous Components No additional information available

Section 3: Hazards Identification

Appearance and Odour: Yellow, Green, Grey and White fibrous material with faint resin odour. Some products have a foil, vinyl, polypropylene, polyethylene, glass tissue and/or glass cloth.

Emergency Overview: Exposure to dust may be irritating to eyes, nose, and throat. Hydrogen chloride may be released from vinyl faced products during a fire.

Potential Acute Health Effects

Inhalation: Dusts and fibers from this product may cause mechanical irritation of the nose, throat, and respiratory tract.

Skin Contact: Dusts and fibers from this product may cause temporary mechanical irritation to the skin.

Eye Contact: Dusts and fibers from this product may cause temporary mechanical irritation to the eyes.

Ingestion: Ingestion of this product is unlikely. However, ingestion of product may produce gastrointestinal irritation and disturbances.

Medical Condition Aggravated by Exposure: Chronic respiratory or skin conditions may temporarily worsen than exposure to this product.

Chronic Conditions: See Section 11 for additional information.

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Section 4 : First Aid Measures

Inhalation:

If inhaled, remove the affected person to fresh air. If irritation persists get medical attention.

Skin Contact:

For skin contact, wash with mild soap and running water. Use a washcloth to help remove fibers. To avoid further irritation, do not rub or scratch affected areas. Rubbing or scratching may force fibers into the skin. If irritation persists get medical attention.

Never use compressed air to remove fibers from the skin. If fibers are seen penetrating from the skin, the fibers can be removed by applying and removing adhesive tape so that the fibers adhere to the tape and are pulled out of the skin. For the best way to remove the fiber is immersing your organ in warm water long enough for letting skin hole expand and fiber come out. After that clean it with mild soap.

Eye Contact:

Immediately flush eyes with plenty of the water for at least 15 minutes. If irritation persists get medical attention.

Ingestion:

Ingestion of this product is unlikely. If it does occur, watch the person of several days to make sure that partial or complete intestinal obstruction does not occur. Do not induce vomiting unless directed to do so by medical personnel.

Section 5 : Fire Fighting Measures

Flash Point: None
Upper Flammability Limit: Not applicable
Flammability Classification: Nonflammable

Flash Point Method: Not applicable
Lower Flammability Limit: Not applicable

Extinguishing Media: Dry chemical, foam, carbon dioxide, water fog.

Unusual Fire & Explosion Hazards: Vinyl faced products will release hydrogen chloride in a fire.

Fire-Fighting Instructions: In a sustained fire use self-contained breathing apparatus (SCBA) and full bunker turnout gear.

Hazardous Combustion Products: Primary combustion products are carbon monoxide, carbon dioxide, ammonia, and water. Other undetermined compounds could be released in small quantities.

Section 6 : Accidental Release Measures

Containment Procedures: This material will settle out of the air. If concentrated on land, it can then be scooped up for disposal as a non-hazardous waste. This material will sink and disperse along the bottom of waterways and ponds. If cannot easily be removed after it is waterborne, however, the material is non-hazardous in water.

Clean-Up Procedures: Scoop up material and put into a suitable container for disposal as a non-hazardous waste.

Response Procedures: Isolate area. Keep unnecessary personnel away.

Special Procedures: None

Section 7 : Handling and Storage

Handling Procedures: Keep product in its packaging until use to minimize potential dust generation. Keep work areas clean. Avoid unnecessary handling of scrap material.

Storage Procedures: Material should be kept dry and undercover.





Section 8 : Exposure Controls / Personal Protection

Exposure Guidelines:

A: General Product Information

Follow all applicable exposure limits.

B: Component Exposure Limits

ACGIH and OSHA exposure limit lists have been checked for those components with CAS registry numbers.

Fiber: Glass Wool (Fibrous Glass) (65997-17-3)

ACGIH: 1 f/cc TLV-TWA for respirable fibers longer than 5 micron with a diameter less than 3 micron; (Listed under "Synthetic vitreous fibers") (listed as glass wool fibers) (related to particulates not otherwise classified (PNOC))

OSHA: 1 fiber/cc (respirable) TWA (a) (See Note Below)

Note: (a) A voluntary PEL was established by the North American Insulation Manufactures Association (NAIMA) and OSHA per the Health and Safety Partnership Program (HSPP) agreement for Synthetic Vitreous Fibers (SVF).

Ventilation:

General dilution ventilation and/or local exhaust should be provide as necessary to maintain exposures below regulatory limits. Dust collection systems should be used in operations involving the use of power tools.

Personal Protective Equipment

Respiratory Protection:

Use a properly fitted NIOSH or MSHA approved disposable dust respirator when you: 1) install or remove loose fill, 2) install or remove any of these products in poorly ventilated spaces such as attics or crawlspaces. As an extra precaution you may choose, but are not required, to wear a disposable dust respirator at all times.

Skin Protection:

Normal work clothing (long sleeved shirt, long pants, and gloves) is recommended. Skin irritation is known to occur chiefly at the pressure points such as around the neck, wrists, waist and between the fingers.

Eyes/Face Protective Equipment:

Wear safety glasses or goggles.

Section 9 : Physical & Chemical Properties

Appearance:	Fibrous	Oder:	Organic
Physical State:	Solid	pH :	Not applicable
Vapor Presssure (mm Hg @ 20 C) :	Not applicable	Vapor Density (Air = 1) :	Not applicable
Boiling Point:	Not applicable	Solubility (H2O) :	Insoluble
Specific Gravity (Water=1) :	Not applicable	Freezing Point:	Not applicable
Evaporation Rate (n-Butyl Acetate=1) :	Not applicable	Viscosity:	Not applicable
Physical Properties:	No additional information available.		

Section 10 : Chemical Stability & Reactivity Information

Stability: This is a stable material.

Conditions to Avoid: None expected.

Incompatible Materials: None expected

Hazardous Decomposition Products: Primary combustion products are carbon monoxide, carbon dioxide, ammonia, and water. Other undetermined compounds could be released in small quantities.

Hazardous Polymerization: Will not occur.

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