

MATERIAL SAFETY DATA SHEET (MSDS)

Section 1 - Chemical Product and Company Identification

Description: Glass Wool

Product Name: Glass Wool

CAS NO.: 65997-17-3

Common Use: Thermal & Acoustic insulation used in homes, public and commercial buildings, warehouses, industrial plants, motor vehicles, ships, public transport, power stations and so on.

Manufacturer : Dongying Huadel New Material Manufacturer

North of Youyi Road or West of Binsan Road, Guangrao Binhai New Area,

Dongying City, Shandong Province, China

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Section 2 - Composition / Information on Ingredients

Component names	Origin	Product Ingredient Composition Ratio		CAS NO.
Waste Glass	China	0.7KG	70%	65997-17-3
Silica Sand	China	0.14KG	14%	14808-60-7
Sodium Carbonate	China	0.12KG	12%	497-19-8
Borax and others	China	0.04KG	4%	1303-96-4
			Total: 100%	

Section 3 - Hazardous Identification

Emergency Overview

Dust generated during machining and grinding operations may cause skin or eye irritation.

HMIS Rating: (Hazardous Material Identification System)

Degree of Hazard:

0=minimal (insignificant), 1=slight, 2=moderate, 3=serious (high), 4=severe (extreme)

* Chronic Health Effects

Health	Fire	Reactivity
1*	0	0

Section 4 - First Aid Measures

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

Eye Contact: Flush with flowing water for at least 15 minutes. If symptoms persist, seek medical attention.

Skin Contact: Wash with mild soap and running water to remove fibers. **Never use compressed air to remove fibers from the skin.**

Ingestion: Ingestion of this material is unlikely. If it does occur, watch the person for 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	Not applicable	Flash Point Method	Not applicable
Upper Flammability Limit	Not applicable	Lower Flammable Limits	Not applicable
Flammability	Non-Flammable		
Extinguishing Media:	Water, foam, dry chemical, carbon dioxide (CO ₂)		
Unusual Fire & Explosion Hazards	These products may release acrid smoke in a sustained fire.		
Fire Fighting Instructions	Use self-contained breathing apparatus (SCBA) and full banker turnout gear in a sustained fire.		
Hazardous Combustion Products	Primary combustion products are carbon monoxide, carbon dioxide, ammonia and water. Other undermined can 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. It can not easily be removed after it is water borne; 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 the area. Keep unnecessary personnel away.

Special Procedures: None.

Section 7 - Handling and Storage

Keep away from direct sunlight, rain and water store in a plain lease protected warehouse.

Dust generated during normal manufacturing operations can represent both a health hazard and a fire hazard. Use dust control equipment at the point of generation in machining and sawing operations. Wash hands and other exposed areas thoroughly after handling and wash soiled clothing before reuse.

Section 8 - Exposure Controls / Personal Protection

Respiratory Protection: If personal exposure cannot be controlled above applicable limits by area ventilation, wear a properly fitted particulate respirator for protection against dust and kept in clean storage when not in use.

Skin Protection: Normal work clothing (long sleeved shirts and long pants) is recommended. Use impervious gloves. Skin irritation is known to occur chiefly at the pressure points such as around the neck, wrist, waist and between the fingers.

Eyes/Face Protection: Minimize dust generating activities. Wear safety goggles with side shield or face shield. Contact lenses must not be worn

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Section 9 - Physical & Chemical Properties

Appearance: Resilient or rigid structure containing glass fibers and binding materials
Used as blankets, batts, boards, or loose-fill insulation. It is bare or facing
such as aluminum foil, kraft paper, black glass fiber tissue and so on to
meet specific purpose.

Odor: Slightly ammonia odour, particularly when recently manufactured, then
odourless.

Physical State: Solid **PH:** Not applicable

Vapor Pressure: Not applicable **Vapor Density (Air=1):** Not applicable

Boiling Point: Not applicable **Flash Point:** Not applicable

Specific Gravity (Water=1): variable depending on facings

Evaporation Rate: Not applicable **Solubility (H₂O):** Insoluble

Section 10 - Chemical Stability & Reactivity Information

Stability: This is a stable material.

Conditions to Avoid: Protect from heat, sparks, flame and possible sources of ignition.

Incompatible Materials: None known.

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

Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

Stability: This is a stable material.

Conditions to Avoid: None known.

Section 12 - Ecological Information

Ecotoxicity: Neither the raw materials nor the finished product contain any ozone depleting chemicals. This product is not classified as a hazardous air pollutant. Binder-coated glasswool is hydrophobic, therefore, no adverse environmental effects would be expected if this product were accidentally released in the water or soil. No harm to fish, birds, insects, wildlife or organisms in the environment would be caused by this product.

Section 13 - Disposal Considerations

Place in plastic bags or containers and close or seal for disposal in accordance with local authority guidelines and environment regulations. Label as NON HAZARDOUS insulation wool or as general building waste (non-hazardous), as appropriate to assist local authorities waste disposal sites.

Section 14 - Transportation Information

Shipping Name: Not regulated for transport.
Hazard Class: None
UN number: None
Packing Group: None
Required label (s): None

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

[Refer ClimaBatts Compliance Letter](#)

Chemical Safety Assessment

[Refer ClimaBatts Compliance Letter](#)

Section 16 - Other Information

N/A