

MATERIAL SAFETY DATA SHEET

Product identifier: Mineral Wool
Product use: Back-fill for firestopping. Also called slag wool or synthetic vitreous fibers.
Supplier: Hilti (Canada) Corporation, 6790 Century Avenue, Suite #300, Mississauga, Ontario L5N 2V8
Originator: Hilti, Inc., P. O. Box 21148, Tulsa, Oklahoma, USA 74121
Emergency phone: Chem-Trec: 1 800 424 9300

HAZARDOUS INGREDIENTS

Ingredient	CAS Number	% (wt.)	LC ₅₀ , (rat)	LD ₅₀ (rat)	TLV	STEL
Slag wool fiber	65997-17-3	95 - 99	N/Av	N/Av	1 fiber / cc	N/E
Phenolic resin	09003-35-4	1 - 5	N/Av	>5 gm/kg	N/E	N/E
Polyvinyl alcohol	09002-89-5	< 1	N/Av	> 20 gm/kg	N/E	N/E

PHYSICAL PROPERTIES

Appearance / Physical state:	2' x 4' x 4" sheets / grey solid.	Odour:	Negligible odour.
Specific gravity (at 20°C):	Not applicable.	VOC Content	<1% w/w
Vapour pressure (at 20°C):	Not applicable.	Vapour density:	Not applicable.
Evaporation rate:	Not applicable.	Boiling point:	Not applicable.
Freezing point:	Not applicable.	pH:	Not applicable.
Coefficient of H₂O / oil distrib:	Not applicable.	Solubility in water:	Insoluble.

FIRE AND EXPLOSION DATA

Flash point / Method:	Not applicable.	Flammable limits:	Not applicable.
Conditions of flammability:	Not applicable.	Auto-ignition temperature:	Not applicable.
Means of extinction:	Not applicable. As appropriate for surrounding fire (e.g. Water, CO ₂ , Dry Chemical, Foam).		
Special fire fighting procedures:	Soak cartons to help prevent the spread of fire. Wear full protective clothing. A NIOSH-approved self-contained breathing apparatus (SCBA) should be worn when fighting fires involving chemicals.		
Hazardous combustion products:	Thermal decomposition products can be formed at temperatures exceeding 2000° F. Thermal decomposition can yield CO and CO ₂ .		
Sensitivity to mechanical impact / static discharge:	Not susceptible to mechanical impact or to a static discharge.		

REACTIVITY DATA

Stability:	Stable.	Incompatible materials:	Strong acids.
Conditions of reactivity:	None known.		
Hazardous decomposition products:	Thermal decomposition products can be formed at temperatures exceeding 2000° F. Thermal decomposition can yield CO and CO ₂ .		

TOXICOLOGICAL PROPERTIES

Routes of exposure:	<input checked="" type="checkbox"/> Skin contact <input type="checkbox"/> Skin absorption <input checked="" type="checkbox"/> Eye contact <input checked="" type="checkbox"/> Inhalation <input type="checkbox"/> Ingestion
Exposure limits:	See "Ingredients" section above.
Acute effects of exposure:	Eyes – Can cause itching, irritation and watering. Skin – Can cause mechanical irritation. Inhalation – Irritation of the nose, throat and upper respiratory tract. Ingestion – Not considered a route of exposure. Effects of ingestion have not been determined. Considered to have a low acute oral toxicity.
Chronic effects of exposure:	Slag wool has been classified by the IARC as Group 3 – Unclassifiable as to Carcinogenicity in Humans.
Synergistic materials:	None known.

FIRST AID MEASURES

Eyes:	Flush with plenty of water while holding the eyelids apart. Avoid rubbing the eyes; this can cause mechanical abrasion. Call a physician if symptoms occur.
Skin:	Wash with soap and water. Seek medical attention if any effects persist. Launder clothing before reuse.
Inhalation:	No ill effects expected. Should discomfort occur, move to fresh air.
Ingestion:	Not a likely route of exposure.
Other:	Referral to a physician is recommended if there is any question about the seriousness of the injury/exposure.

PREVENTIVE MEASURES

Engineering controls:	General (natural or mechanically induced fresh air movements).
Eye protection:	Safety goggles recommended to prevent fibers / particulates from irritating the eyes.
Skin protection:	Cloth gloves and long sleeves are recommended to protect from irritating fibers.
Respiratory protection:	None normally required.
Other:	No additional measures are normally required.
Handling procedures and equipment:	Fibrous dust is hazardous; avoid generating or breathing dust. Local exhaust may be required to control dusts if power tools are used for cutting or trimming. Wear appropriate personal protective equipment.
Storage requirements:	Store away from moisture; keep dry.
Spill, leak or release:	Not applicable.
Waste disposal:	Consult with regulatory agencies or your corporate personnel for disposal methods that comply with local, provincial, and federal safety, health and environmental regulations.
Special shipping instructions:	None known.

REGULATORY INFORMATION

WHMIS classification:	D2A, D2B
HMIS codes:	Health 1, Flammability 0, Reactivity 0, PPE B
TDG shipping name:	Not regulated.

PREPARATION INFORMATION / CONTACTS

Prepared by:	Hilti, Inc., Tulsa, OK USA	Date of Preparation:	April 8, 2008	Emergency phone number:	1 800 424 9300
Customer Service:	Hilti (Canada) Corporation, Mississauga, Ontario; 1 800 363 4458				
Health / Safety contacts:	Hilti, Inc., Tulsa, OK USA; 1 800 879 6000, Jerry Metcalf (x6704)				
Abbreviations used:	N/E = None Established. N/A = Not Applicable. N/Av = Not Available. H = Hours. HMIS: Hazardous Materials Identification System. w/w weight/weight				

The information and recommendations contained herein are based upon data believed to be correct; however, no guarantee or warranty of any kind expressed or implied is made with respect to the information provided.