



## MATERIAL SAFETY DATA SHEET (MSDS)

**MANUFACTURER:** GUARDIAN FIBERGLASS INC.  
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**PRODUCT IDENTIFICATION:** **Fiberglass white blowing wool insulation (Monoglass®)**  
**CHEMICAL NAME:** Fibrous Glass  
**CAS NUMBER:** N/A  
**COMMON NAME:** Fiberglass Insulation  
**LAST REVIEWED:** January 2007

### SECTION I: COMPOSITION

<u>INGREDIENTS</u>	<u>HAZARD</u>	<u>CAS NO.</u>	<u>%</u>	<u>OSHA PERMISSIBLE EXPOSURE LEVELS</u>	<u>ACGIH TLV</u>
Fibrous Glass	Nuisance Dust	65997-17-3	99-100%	TWA (Total Dust) = 15 mg/m <sup>3</sup> TWA (Respirable Dust) = 5 mg/m <sup>3</sup>	1 f/cc
Dedusting Oil	N/A	N/A	<1%	N/A	

The TWA TLV of 1 f/cc is a protection standard voluntarily adopted by the fiberglass industry and is a recommendation of ACGIH and California's ACAC.

### SECTION II: PHYSICAL DATA

<b>Boiling Point (°f)</b>	N/A	<b>Specific Gravity (H<sub>2</sub>O) = 1</b>	2.6
<b>Vapor Pressure (mm Hg.)</b>	N/A	<b>Percent Volatile</b>	
<b>Vapor Density (Air=1)</b>	N/A	<b>By Volume</b>	<1%
<b>Solubility in Water</b>	None	<b>Evaporation Rate</b>	N/A

### SECTION III: FIRE & EXPLOSION DATA

**Flash Point:** N/A  
**Flammability Limits:** N/A  
**Auto-Ignition Temperature:** N/A  
**Extinguishing Media:** Water, foam, dry chemical  
**Special Fire-fighting Procedure:** None  
**Unusual Fire Hazards:** Fiberglass insulation is a non-flammable product. The packaging material will burn, and caution should be used when working close to the facing or packaged material with open flame. Chemicals in plastic packaging products that do not present a health hazard under normal conditions may be released during a fire. Toxic fumes and gases that may result from incomplete combustion include carbon monoxide, hydrogen chloride and low-level cyanides. In case of overexposure, remove to fresh air. If breathing is difficult, administer oxygen and consult a physician.

### SECTION IV: REACTIVITY / DECOMPOSITION DATA

**Stability:** Stable  
**Incompatibility:** None  
**Hazardous Polymerization:** Will not occur

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## SECTION V: HEALTH HAZARDS / PERSONAL PROTECTIVE EQUIPMENT

- Primary Route of Entry:** Inhalation. Fiberglass wool may cause mechanical irritation of the upper respiratory tract. Use of a 2-strap NIOSH-Approved N-95 Filtering Facepiece (disposable dust mask respirator), such as a 3M model 8210 (or higher) or equivalent is recommended when handling loose-fill, when exposure is unknown or when fibers exceed the TLV of 1 f/cc. Operations which generate high airborne fiber concentrations (over 10 times the TLV) require additional respiratory protection.
- Skin Contact:** Direct contact with the skin may cause mechanical irritation. If irritation occurs, long sleeves, loose fitting clothing, gloves, and eye protection are recommended. Wash exposed areas with soap and water after handling. Wash clothes separately and rinse out washer after each use.
- Following a thorough review of all the medical data available, the International Agency for Research on Cancer (IARC) has classified glass wool insulation as Group #3, "not classifiable as to carcinogenicity to humans". IARC has stated there is "no evidence of increased risks of lung cancer or of mesothelioma...from occupational exposures during the manufacture of these materials, and inadequate evidence overall of any cancer risk."

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## SECTION VI: EMERGENCY AND FIRST AID PROCEDURES

- Skin Contact:** Do not rub. Wash with soap and water. Use skin cream to sooth irritation. Wash clothes separately. A shower after work is recommended. Irritation typically will not persist if good personal hygiene habits are followed.
- Eye Contact:** Flush with running water for at least 15 minutes. Using sterile eye wash, flush foreign bodies from eyes.
- Inhalation:** Remove from exposure.
- If irritation persists in any of these situations, a physician should be consulted.

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## SECTION VII: SPILL, LEAK AND DISPOSAL INFORMATION

Avoid dust-generating means of clean-up. Store faced or packaged material away from sources of ignition and have fire-fighting equipment available. Dispose of scrap material according to federal, state and local regulations. This material is not regulated under hazardous waste regulations.

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## SECTION VIII: OTHER REGULATORY INFORMATION

SARA Title III, SECTION 313: Our finished insulation products contain the following amounts of "Toxic Chemicals", as defined by the Superfund Amendments and Reauthorization Act (SARA, Title III) of 1986:

N/A

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Available in English/Spanish

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