

Material Safety Data Sheet
Monoglass[®] Fiber
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Section 1: Material Identification and Use:

MANUFACTURER: **MONOGLASS[®] INCORPORATED**
ADDRESS: 922 – 1200 West 73rd Avenue, Vancouver, B.C. Canada V6P 6G5
PHONE: 604-261-7712 (in North America 1-888-777-2966)
CONTACT:

TRADE NAME: MONOGLASS[®]
PRODUCT IDENTIFICATION: FIBERGLASS BUILDING INSULATION
CHEMICAL NAME: FIBROUS GLASS
CAS NUMBER: N/A
COMMON NAME: FIBERGLASS INSULATION

Section 2: Composition

| INGREDIENTS | HAZARD | CAS NO. | PERCENTAGE | OSHA Permissible Exposure Levels |
|---------------|---------------|------------|------------|--|
| Fibrous Glass | Nuisance Dust | 65997-17-3 | 99-100% | TWA (Total Dust) = 15 mg/m ³ TWA (Respirable Dust) = 5 mg/m ³ |
| Dedusting Oil | N/A | N/A | <1% | N/A |

Section 3: Physical Data

Boiling Point (°F): N/A
Vapor Pressure (mm Hg.): N/A
Vapor Density (Air = 1): N/A
Solubility in Water: None
Specific Gravity (H₂O) = 1: 2.6
Percent Volatile: <1%
By Volume (%):
Evaporation Rate: N/A

Section 4: Fire and 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 5: Reactivity Data

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

(N/A: not applicable) (N/E: not established)

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Section 6: 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 Face piece (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 use.

- IARC: Group 3 - Not classifiable as to its carcinogenicity to humans
- ACGIH: A3 - Animal Carcinogen
- NTP: Suspect Carcinogen (Possible Select Carcinogen)

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."

NTP and ACGIH have not yet reviewed the IARC reclassification or the most current fiber glass health research; at this time both agencies continue to classify glass wool based on earlier animal injection studies.

Section 7: Emergency and First Aid Procedures

Skin Contact: Do not rub. Wash with soap and water. Use skin cream to soothe 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. Use sterile eyewash to flush foreign bodies from eyes.

Inhalation: Remove from exposure.

If irritation persists in any of these situations, a physician should be consulted.

Section 8: Spill, Leak and Disposal Information

Avoid dust-generating means of clean up. Store 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.

Section 9: Other Regulator Information

SARA Title III, SECTION 313: Our Monoglass[®] insulation product contains no "Toxic Chemicals", as defined by the Superfund Amendments and Reauthorization Act (SARA, Title III) of 1986.

Section 10: Preparation of M.S.D.S.

Prepared by: Product Safety Dept. Date Prepared: February 14, 2006.

Phone: (604) 261-7712/ 1-888-777-2966