



IFPA FIRE HAZARD SYMBOL
See IFPA 794 for detailed explanation.



HILLSBORO ELEMENTARY SCHOOLS

715 S.E. 5th Ave.
HILLSBORO, OR 97123

OM0126

MATERIAL SAFETY DATA SHEET

OT 0040

I. PRODUCT IDENTIFICATION

Trade Name(s): FIBER GLASS BUILDING INSULATION, MANVILLE
Generic Name: FIBER GLASS WOOL INSULATION
Chemical Name: Mixture

CAS #: None Assigned
Formula: Mixture

Manufacturer: MANVILLE SALES CORPORATION
Address: P.O. BOX 5108
City: DENVER

State: CO

Zip: 80217-5108

Telephone: (303) 978-4900
Emergency:

II. PRODUCT INGREDIENTS

INGREDIENT NAME	CAS NUMBER	%	PEL and TLV (except as noted)
Fibrous Glass	65997-17-3	82-85	1 Fiber/cc Exposure Guideline, Manville 3 Fibers/cc, NIOSH 5mg/M ³ Respirable Nuisance Dust, OSHA 10mg/M ³ Total Nuisance Dust, ACGIH
Urea Extended Phenol-formaldehyde Resin, Cured	25104-55-6	5-8	NA

III. PHYSICAL DATA

Appearance and Odor: Fibrous glass blanket, batt, or roll; Foil, kraft or unfaced. Slight phenolic odor.

Boiling Point: NA
Vapor Pressure: NA
Water Solubility (B): NIL
Vapor Density (Air=1): NA

Evaporation Rate (NA = 1): NA
Specific Gravity (water = 1): VAR
Melting Point >1300° F
% Volatile by Volume: 0

IV. FIRE AND EXPLOSION DATA

Flash Point (Method): NA
Flammable Limits: LEL: NA % UEL: NA %
Extinguishing Media: CO₂, water, water fog, dry chemical ABC rated.
Unusual Fire or Explosion Hazards: Resin and paper or plastic facings will burn causing dense acrid smoke.

NEPA Flammable/Combustible Liquid Classification: NA
Auto-ignition Temperature: ND

Special Fire-Fighting Procedures: Wear self-contained breathing apparatus.

V. HEALTH HAZARDS A. Summary/Risks

Summary: Animal Studies: animals breathing high concentrations showed no disease, but some exposed through artificial means (e.g. implantation) developed cancer. Human Studies: The findings of extensive epidemiologic studies of fiberglass manufacturing workers were judged by IARC in 1987 to be inadequate for assessing cancer risk. Based primarily on the artificially exposed animal studies IARC classified glass wool as possibly carcinogenic for humans. A 1990 U.S. mortality study update reported some statistically significant findings. (See chronic health effects.)

THIS SUBSTANCE OR MIXTURE HAS NOT BEEN CLASSIFIED A CARCINOGEN BY NTP OR OSHA.

Medical conditions which may be aggravated: As with any dust, pre-existing upper respiratory and lung diseases may be aggravated.

Target Organ(s): Lungs, skin, eyes.

Acute Health Effects: Product dust is a mechanical irritant to upper respiratory system, skin, and eyes.

Chronic Health Effects: Although the researchers indicate that there is no clear evidence of a relationship to fiber exposures, a 1990 update of a U.S. mortality study of fiber glass production workers reported some small, but statistically significant excess in respiratory cancer. An expanded study is investigating other possible factors.

Primary Entry Route(s): Inhalation, skin, eye contact.

V. HEALTH HAZARDS - D. Signs/Symptoms of Overexposure

Inhalation: Irritation or soreness in throat & nose. In extreme exposures some congestion may occur.

Skin Contact: Temporary irritation or rash.

Skin Absorption: NA

Ingestion: Not hazardous when ingested. May cause temporary irritation to gastrointestinal tract.

Eyes: Temporary irritation or inflammation.

V. HEALTH HAZARDS - E. First Aid/Emergency Procedures

Inhalation: Remove to fresh air. Drink water to clear throat and blow nose to evacuate fibers.

Skin Contact: Wash affected areas gently with soap and warm water.

Skin Absorption: NA

Ingestion: NA

Eyes: Flush with large amounts of water. If irritation persists consult a physician.

VI. REACTIVITY DATA

MATERIAL IS STABLE.

HAZARDOUS POLYMERIZATION CANNOT OCCUR.

Chemical Incompatibilities: Hydrofluoric acid.

Conditions to Avoid: None in designed use.

Hazardous Decomposition Products: Carbon dioxide, carbon monoxide, carbon particles & traces of hydrogen cyanide derived from pyrolysis of the resin as is typical of decomposition of any organic chemical.

VII. SPILL OR LEAK PROCEDURES

Procedures for Spill/Leak: Pick up pieces. Vacuum clean dusts. If sweeping is necessary use a dust suppressant (water).

Waste Management: Wastes are not hazardous as defined by RCRA (40 CFR Part 261). Comply with federal, state & local regulations. Method of disposal: Landfill. Reportable quantity: NA.

VIII. SPECIAL PROTECTION INFORMATION

Goggles or safety glasses with sideshields are recommended.

Gloves: Recommended.

Respirator: <10 f/cc use NIOSH approved dust/mist respirator; <50 f/cc use NIOSH full face respirator with H filter. For specific respirator recommendations see Manville Bulletin HSE-64C.

Ventilation: Use sufficient natural or mechanical ventilation to keep dust level to below PEL/TLV/VEG (Workplace Exposure Guideline).

Other: Wear loose fitting, long sleeved clothing. Wash exposed areas with soap & warm water after handling. Wash work clothes separately from other clothing; rinse washer thoroughly.

Special Considerations for repair/maintenance of contaminated equipment: NA

IX. SPECIAL PRECAUTIONS

Storage Segregation Hazard Classes: Irritant.

*** ALWAYS SEGREGATE MATERIALS BY MAJOR HAZARD CLASS ***

Special Handling/Storage: Keep material dry.

Special Workplace Engineering Controls: Provide adequate ventilation to keep dust level to below PEL/TLV/VEG (Workplace Exposure Guideline).

Other: Calif Prop 65 Warning: This product contains formaldehyde, a chemical known to the state of California to cause cancer. Additional information: Bulletin HSE-64C from: Manville Product Information Center, P.O. Box 5108, Denver, CO 80217-5108; 800-654-3103.

Prepared/Revised by: RICHARD A. VERSEN

Title: MANAGER, PRODUCT SAFETY

As of the date of preparation of this document, the foregoing information is believed to be accurate and is provided in good faith to comply with applicable federal and state law(s). However, no warranty or representation with respect to such information is intended or given.