



MATERIAL SAFETY DATA SHEET

MANUFACTURER: Owens-Corning Fiberglas Corporation

ADDRESS: Fiberglas Tower, Toledo, OH 43659

PHONE: For information purposes 8:00 AM - 5:00 PM Eastern Time

Telephone: (419) 248-8234

FOR EMERGENCY: After 5:00 PM Eastern Time

Telephone: (419) 248-5330

DATE OF PREPARATION: December 17, 1986

PRODUCT NAME(S): Milled Fibers, Chopped Strands, Continuous Strands,
Continuous Roving, Roving, Yarns, Wet Chop, Woven Roving,
Tire Cord, Rubber Impregnated Chopped Strand (RICS),
Hammermilled Glass Flakes Fiberglas^R, S2^R Glass

DOES NOT INCLUDE: Mats, Bi-Ply^R Mat

SECTION I - COMPONENT DATA

HAZARDOUS INGREDIENTS

COMMON NAME

CHEMICAL NAME

C.A.S. NUMBER

Fiberglass

Fibrous Glass

65997-17-3

SECTION II - PHYSICAL DATA

BOILING POINT (°F): NA^{*}

SPECIFIC GRAVITY (H₂O=1): ND^{**}

MELTING POINT: NA

VAPOR PRESSURE (mmHg @ 20°C): NA

PERCENT VOLATILE BY VOLUME: NA

VAPOR DENSITY (AIR=1): NA

EVAPORATIVE RATE (ETHYL ETHER=1): NA

SOLUBILITY IN WATER: Insoluble

pH: NA

APPEARANCE AND ODOR: White to off white solid/no odor

* NA = Not Applicable

** ND = Not Determined

SECTION III - FIRE & EXPLOSION HAZARD DATA

FLASH POINT (°F): NA

METHOD USED: NA

FLAMMABILITY LIMITS:

LEL: NA

UEL: NA

AUTO-IGNITION TEMPERATURE (°F): NA

EXTINGUISHING MEDIA: Water, Foam, CO₂, Dry Chemical

SPECIAL FIRE-FIGHTING INSTRUCTIONS:

None required.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

None.

SECTION IV - REACTIVITY DATA

STABILITY (CONDITIONS TO AVOID):

Stable (none)

INCOMPATIBILITY (MATERIALS TO AVOID):

None

HAZARDOUS DECOMPOSITION PRODUCTS:

Sizings or binders may decompose in a fire. Primary combustion products are carbon monoxide, carbon dioxide and water.

HAZARDOUS POLYMERIZATION:

Will not occur.

SECTION V - HEALTH HAZARD DATA

PRIMARY ROUTE(S) OF ENTRY: Inhalation

HEALTH HAZARDS (ACUTE AND CHRONIC)

INHALATION:

Acute: Mechanical irritation of the mouth, nose and throat.

Chronic: Many studies have been conducted to determine the potential long term effects of fibrous glass inhalation. Although inconclusive, some research supported by the industry indicates that manufacturing plant employees who were first employed more than 30 years ago in factories that manufactured glass wool and mineral wool have an

increased rate of lung cancer as compared to certain other reference populations. Further study is planned to identify those factors associated with the reported increased rate. Similar findings were not reported regarding employees in textile fiber manufacturing plants. Animal studies have not demonstrated an increased rate of lung cancer when the animals breathed large quantities of glass fibers. Artificial implantation or injection of fine glass fibers into the chest, abdominal cavity or trachea of laboratory animals has produced cancer.

SKIN CONTACT:

Acute: Transient mechanical irritation.
Chronic: None

EYE CONTACT:

Acute: Direct contact will cause mechanical irritation.
Chronic: None

INGESTION:

Acute: Unlikely to occur. Observe individual; if symptoms develop, consult physician.
Chronic: None known

SIGNS AND SYMPTOMS OF EXPOSURE:

Itching and possible irritation of upper respiratory tract.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Any condition generally aggravated by mechanical irritants in air or on skin.

EXPOSURE LIMITS:

<u>HAZARDOUS INGREDIENTS</u>	<u>OSHA PEL (mg/M³)</u>	<u>ACGIH TLV (mg/M³)</u>	<u>OTHER RECOMMENDED (SOURCE)</u>
Fibrous Glass	5 mg/M ³ (respirable nuisance dust)	10 mg/M ³	3 x 10 ⁶ fibers/M ³ (NIOSH)

CARCINOGENICITY:

<u>HAZARDOUS INGREDIENTS</u>	<u>NTP LISTED</u>	<u>IARC LISTED</u>	<u>OSHA REGULATED</u>
Fibrous Glass	No	No	No

SECTION VI - EMERGENCY & FIRST - AID PROCEDURES

INHALATION:

None required.

Inhalation:
none required

SKIN:

Wash with soap and running water.

EYES:

Flush with running water for at least 15 minutes.

SECTION VII - SPECIAL HANDLING INFORMATION

VENTILATION:

Mechanical general, local exhaust may be required in some operations.

RESPIRATORY PROTECTION:

Not normally required. If exposure limit is exceeded or irritation occurs, use a respirator such as 3M model 9900 or equivalent for protection against nuisance dusts.

PROTECTIVE CLOTHING:

Gloves, long sleeved, loose fitting clothing, long pants.

WORK/HYGIENIC PRACTICES:

Shower at end of work day. Wash work clothes separately and wipe out washer at end of cycle.

SECTION VIII - SPILL, LEAK & DISPOSAL PROCEDURES

ACTION TO TAKE FOR SPILLS (USE APPROPRIATE SAFETY EQUIPMENT):

NA

WASTE DISPOSAL METHOD:

Dispose in accordance with federal, state and local regulations. The primary method of disposal is in a municipal or industrial landfill.

EPA HAZARDOUS WASTE NUMBER: NA

This material is not regulated under the "RCRA" hazardous waste regulations.

SECTION IX - SPECIAL PRECAUTIONS/ADDITIONAL INFORMATION

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

None required.

DOT INFORMATION

HAZARDOUS MATERIAL PROPER SHIPPING NAME:

Not regulated by DOT.

HAZARD CLASS:

Nonhazardous

UN IDENTIFICATION NUMBER:

None

ADDITIONAL INFORMATION:

None