# OWENS/CORNING FIBERGLAS

# MATERIAL SAFETY DATA SHEET

MANUFACTURER:

Owens-Corning Fiberglas Corporation

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DATE OF PREPARATION:

December 17, 1986

PRODUCT NAME(S):

DOES NOT INCLUDE Molding Media

Fiberglas K Insulation, Kraft Faced Insulation, Foil

Faced Insulation, Blowing Wool, ThermaCube
Insulation, Type M Plus, Aerocor Insulation,
Appliance Insulation, ASJ Pipe Covering, Pipe Wrap,
700 Series Industrial Insulation, Navy Board, Hull Board, Marine Insulation, Ceiling Panels, 475 FRK Duct Board, Aeroflex Duct Liner, Duct Wrap, Molded Pipe, Sill Sealer, Mobile Home Insulation, Warm-N-Dri Insulation, CW225 Insulation, Flame Spread 25 Insulation, Sonobatts, Commercial Use Board, Noise Barrier Batts, Roof Insulation, Aircraft Insulation, Thermal Insulating Wool, Insul-Quick, Certified R

Metal Building Insulation, RA Insulation, High Efficiency Filtration Media, FDM Insulation, Nu-Con

Insulation

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):

SPECIFIC GRAVITY (H20=1): ND\*\*

MELTING POINT: NA

VAPOR PRESSURE (mmHg @ 20°C): NA

PERCENT VOLATILE BY VOLUME: NA

NA = Not Applicable

ND = Not Determined

VAPOR DENSITY (AIR=1): NA

EVAPORATIVE RATE (ETHYL ETHER=1): NA

SOLUBILITY IN WATER: Insoluble

AN: Ha

APPEARANCE AND ODOR: Pink, yellow, tan or black insulation/may have faint resin

odor. Some products have a vinyl, kraft paper, foil or

polypropylene facing.

#### SECTION III - FIRE & EXPLOSION HAZARD DATA

FLASH POINT (°F): NA

METHOD USED: NA

FLAMMABILITY LIMITS:

LEL: NA

UFI: NA

AUTO-IGNITION TEMPERATURE (°F): NA

EXTINGUISHING MEDIA: Water, Foam, Dry Chemical

SPECIAL FIRE-FIGHTING INSTRUCTIONS:

None required.

#### UNUSUAL FIRE AND EXPLOSION HAZARDS:

The facing on kraft paper and foil faced products will burn and should not be left exposed. Special care should be taken when working close to the facing with an open flame. Vinyl faced products in fire conditions may give off hydrogen chloride, a highly irritating and toxic gas. Evacuate the building immediately.

#### SECTION IV - REACTIVITY DATA

STABILITY (CONDITIONS TO AVOID):

Stable (none)

INCOMPATIBILITY (MATERIALS TO AVOID):

None

#### HAZARDOUS DECOMPOSITION PRODUCTS:

Facing and binder burns or decomposes in a fire. Primary combustion products are carbon monoxide, carbon dioxide and water. Vinyl faced products, hazardous decomposition products will emit hydrogen chloride in a fire. Emission of HC1 begins at 525°F with faster emission as the temperature rises.

#### 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:**

HAZARDOUS INGREDIENTS	OSHA PEL (mg/M³)	ACGIH JLV (mg/M³)	OTHER RECOMMENDED (SOURCE)
Fibrous Glass	5 mg/M <sup>3</sup> (respirable nuisance dust)	10 mg/M <sup>3</sup>	$3 \times 10^6 \text{ fibers/M}^3$ (NIOSH)

#### CARCINOGENICITY:

HAZARDOUS INGREDIENTS NTP LISTED IARC LISTED OSHA REGULATED

Fibrous Glass

No

No

No

# SECTION VI - EMERGENCY & FIRST - AID PROCEDURES

#### INHALATION:

Vinyl faced products in fire conditions - administer oxygen; consult physician immediately.

# SKIN:

Wash with soap and running water.

#### EYES:

Flush with running water for at least 15 minutes.

# SECTION VII - SPECIAL HANDLING INFORMATION

#### **VENTILATION:**

Ambient

## 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 dust.

# PROTECTIVE CLOTHING:

Gloves, long sleeved, loose fitting clothing, long pants. A cap may be useful when handling material overhead.

#### EYE PROTECTION:

Safety glasses

# 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:

Insulation should be stored in a dry place. Faced material should be stored well away from sources of ignition.

#### DOT INFORMATION

# HAZARDOUS MATERIAL PROPER SHIPPING NAME:

Not regulated by DOT.

# HAZARD CLASS:

Nonhazardous

#### UN IDENTIFICATION NUMBER:

None

#### ADDITIONAL INFORMATION:

None