

# MATERIAL SAFETY DATA SHEET

VAPOR DENSITY (AIR=1): NA

EVAPORATIVE RATE (ETHYL ETHER=1): NA

SOLUBILITY IN WATER: Insoluble

pH: NA

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

UEL: 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 HCl 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:

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

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