

LEL: NA UEL: NA

AUTO-IGNITION TEMPERATURE (°F): NA

EXTINGUISHING MEDIA: CO₂, Dry Chemical, Water Spray

SPECIAL FIRE-FIGHTING INSTRUCTIONS:

Self contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Under certain fire conditions, combustible gases can be generated creating rapidly spreading high intensity flames and dense smoke.

SECTION IV - REACTIVITY DATA

STABILITY (CONDITIONS TO AVOID):

Stable, sources of ignition.

INCOMPATIBILITY (MATERIALS TO AVOID):

Acetone, methyl ethyl ketone, tetrahydrofuran, chorine, chloroform, hydrogen peroxide, ethylene dichloride.

HAZARDOUS DECOMPOSITION PRODUCTS:

Primarily CO, CO₂. Some HCN possible under certain conditions.

HAZARDOUS POLYMERIZATION:

Will not occur.

SECTION V - HEALTH HAZARD DATA

PRIMARY ROUTE(S) OF ENTRY: Inhalation

HEALTH HAZARDS (ACUTE AND CHRONIC).

INHALATION:

For Fibrous Glass

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.

For Polyisocyanurate Foam

Acute: Dust will cause respiratory tract irritation.

Chronic: There is no evidence that polyisocyanurate foam dust causes disease in man. Although one animal study has reported lung cancer following exposure to high levels of dust, subsequent animal studies have not shown that result. Emphysema has been produced in animals following exposure to high levels of dust.

SKIN CONTACT:

For Fibrous Glass and Polyisocyanurate Foam

Acute: Transient mechanical irritation.

Chronic: None known.

EYE CONTACT:

For Fibrous Glass and Polyisocyanurate Foam

Acute: Mechanical irritation

Chronic: None known.

SIGNS AND SYMPTOMS OF EXPOSURE:

Mechanical irritation of the eyes, skin and 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 REL (mg/M³)</u>	<u>ACGIH TLV (mg/M³)</u>	<u>OTHER RECOMMENDED (SOURCE)</u>
Polyisocyanurate Foam (as nuisance dust)	15 mg/M ³	10 mg/M ³	None
Fibrous Glass (respirable nuisance dust)	5 mg/M ³	10 mg/M ³	3x10 ⁶ fibers/M ³ (NIOSH)

CARCINOGENICITY:

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

SECTION VI - EMERGENCY & FIRST - AID PROCEDURES

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:

Ambient

RESPIRATORY PROTECTION:

If irritation occurs or exposure limit is exceeded, use a respirator such as 3M Model 9900 or equivalent for protection against nuisance dusts.

PROTECTIVE CLOTHING:

Long sleeved, loose fitting clothing, long pants and gloves.

EYE PROTECTION:

Safety glasses

WORK/HYGIENIC PRACTICES:

No special practices required.

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

DOT INFORMATION

HAZARDOUS MATERIAL PROPER SHIPPING NAME:

Not regulated by DOT.

HAZARD CLASS:

N/A

UN IDENTIFICATION NUMBER:

None

ADDITIONAL INFORMATION:

None