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DATE OF PREPARATION: December 17, 1986

PRODUCT NAME(S): Chopped Strand Mat, Continuous Strand Mat, Bi-Ply^R Mat,
Lay-up Mat

SECTION I - COMPONENT DATA

HAZARDOUS INGREDIENTS

<u>COMMON NAME</u>	<u>CHEMICAL NAME</u>	<u>C.A.S. NUMBER</u>
Fiberglass Polyester	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 roll/no odor

SECTION III - FIRE & EXPLOSION HAZARD DATA

FLASH POINT (°F): NA

METHOD USED: NA

FLAMMABILITY LIMITS: NA

* NA = Not Applicable

** ND = Not Determined

LEL: NA

UEL: NA

AUTO-IGNITION TEMPERATURE F(°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:

Polyester binder, may decompose under fire conditions. Primary decomposition products include 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:

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 Polyester Binder

Acute: Upper respiratory tract irritation.
Chronic: None known

SKIN CONTACT:

For Fibrous Glass and Polyester

Acute: Transient mechanical irritation
Chronic: None known

EYE CONTACT:

For Fibrous Glass and Polyester

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

INGESTION:

For Fibrous Glass and Polyester

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. Polyester causes unpleasant deposits in eyes, ears and nasal passages.

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)
Polyester (as nuisance dust)	15 mg/M ³	10 mg/M ³	None

CARCINOGENICITY:

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

Mechanical general. Some operations may require local exhaust ventilation.

RESPIRATORY PROTECTION:

Not normally require. 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 and long pants.

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:

No special precautions required.

DOT INFORMATION

HAZARDOUS MATERIAL PROPER SHIPPING NAME:

Not regulated by DOT.

HAZARD CLASS:

Nonhazardous

UN IDENTIFICATION NUMBER:

None

ADDITIONAL INFORMATION:

None