MATERIAL SAFETY DATA SHEET

F39

SUPPLIER: Matrix Composites, Inc.
1356 Commonwealth Drive
Henderson, KY 42420
270-827-8820
Effective 01/01/2011

PRODUCT IDENTIFICATION:

Generic Name: Continuous Glass Filament Product

Product Name: Fiberglass Chopped Strand Mat
Fiberglass Woven Roving Fabric
Fiberglass Multi Ply Stitched Chopped Strand Mat/Woven Roving
Fiberglass Filament Winding Roving
Fiberglass Hot Melt Leno Woven Roving
Fiberglass Hot Melt Uni-Directional Fabric
Fiberglass Pultrusion Roving
Fiberglass Composite Uni-Directional Fabric
Fiberglass Knitted Fabrics (various styles)

SECTION I – COMPONENT DATA

Fiberglass Continuous Filament
Polyester Sized Fiberglass (Woven Roving, Mat/Woven Composite)
Vinyl Coated Fiberglass (Hot Melt Uni-Directional Fill Strand)
Spun Bond Polyester (Composite Uni-Directional exterior material sandwiched construction)
Fibrous Glass

SECTION II – PHYSICAL DATA

Boiling Point (degrees F)	not applicable
Melting Point	not applicable
Vapor Pressure (mmHg@20 degrees C)	not applicable
Percent volatile by Volume	not applicable
Solubility in Water	insoluble
pH	not applicable
Evaporation Rate	not applicable
Appearance/Odor	White Roll/No Odor

SECTION III – FIRE AND EXPLOSION HAZARD DATA

Flash Point (degrees F)	not applicable
Flammability Limits	not applicable
LEL	not applicable
UEL	not applicable
Auto – Ignition Temp. (degrees F)	not applicable
Special Fire-fighting needs	none required
Unusual Fire and Explosion Hazards	none

SECTION IV – REACTIVITY DATA

Stability (conditions to avoid)	none – stable
Incompatibility (materials to avoid)	none
Hazardous Decomposition Products	Sizing on glass products (fabrics, etc.) may decompose in a fire. Primary decomposition products include: carbon monoxide, carbon dioxide, and water.
Hazardous Polymerization	will not occur

SECTION V – HEALTH HAZARD DATA

Primary Route of Entry	inhalation

Health Hazards (acute and chronic)

INHALATION:

For Fibrous Glass:
Acute: Mechanical irritation of the mouth, nose, and throat.
Chronic: In June 1987, the International Agency for Research on Cancer (IRAC) categorized fiberglass continuous filament as not classifiable with respect to human carcinogenicity. The evidence from human, as well as, animal studies was evaluated by IRAC as insufficient to classify fiberglass continuous filament as a possible, probable, or confirmed cancer causing material.

For Polyester Binder:
Acute: Upper respiratory tract irritation.
Chronic: None known

Skin Contact:
Acute: Transient mechanical irritation.
Chronic: None known

Eye Contact:
Acute: Direct contact will cause mechanical irritation.
Chronic: None known

Ingestion:
Acute: Observe individual; if symptoms develop, consult physician.
Chronic: None known

SIGNS AND SYMPTOMS OF EXPOSURE:

Itching and 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 TLV (mg/m3)	Other Recommended Sources
Fibrous Glass	5mg/m3 (nuisance dust)	10mg/m3	3x10 fibers/m3 (NIOSH)
Polyester Resin (nuisance dust)	15mg/m3	10mg/m3	none

CARCINOGENICITY:

Hazardous Ingredients	NTP Listed	IARC Classified	OSHA Regulated
Fibrous Glass	No	Yes*	No
Polyester Resin	No	No	No

*See Section V

SECTION VI – EMERGENCY & FIRST AID PROCEDURES

Inhalation: None required
Skin: Wash with mild soap and water

Eyes: Flush with flowing water for at least 15 minutes and of symptoms persist, seek medical attention.

SECTION VII – SPECIAL HANDLING INFORMATION

Ventilation: May be required in some operations

WORK HYGIENIC PRACTICES:

Dust Prevention: Dust collection systems should be used in fabrication operations that have potential for exposure to dust and glass fibers, especially, grinding type operations.

Cleanliness: The work area should be kept clean of dust generating debris. Keep waste disposal equipment close to work area, and always keep a lid on same.

Eye Protection: Safety glasses should be worn.

Irritation: Do not scratch or rub irritated areas. The fibers should be washed off.

Work Clothes: Wear long sleeve clothing. Use vacuum equipment to remove fibers from clothing.
NEVER USE COMPRESSED AIR!