

MATERIAL SAFETY DATA SHEET (MSDS)

FIRST ISSUE DATE: 11 August 2000

Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **PowerSleeve® Fabric**

MFR'S NAME: Air Logistics Corporation, 925 North Todd Avenue, Azusa CA 91702

EMERGENCY PHONE: 800-424-9300 (CHEMTREC) GENERAL INFORMATION: 626-633-0294

Section 2: COMPOSITION, INFORMATION ON INGREDIENTS

INGREDIENT	%	CAS #	EXPOSURE LIMITS
E-glass, continuous filament	>98		N/A
Kevlar®	<2		N/A
Organic Surface Binder/Sizing	<3		N/A
Polyester	<2		N/A

E-glass is composed principally of oxides of silicon, aluminum and calcium, fused in an amorphous vitreous state.

Section 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: a composite construction of continuous filament fiber glass (fibrous glass, glass fibers) bound together by polyester stitching. Only hazards presented in normal use are if the product is sanded, ground or otherwise modified to create dust, which may be hazardous. Burning composite will give off hazardous fumes. Stray reinforcement fibrils, protruding from the composite wall may irritate the skin or eyes, if transferred to those body sites.

POTENTIAL HEALTH EFFECTS:

EYE:

- Stray reinforcement fibrils, protruding from the composite wall may irritate the eyes, if those fibrils are rubbed into or otherwise transferred to the eyes.

SKIN:

- Stray reinforcement fibrils, protruding from the composite wall may irritate the skin.

INGESTION:

- n.d.a.

INHALATION:

- If dust is somehow created from the product, and inhaled, respiratory irritation may develop.

CHRONIC EFFECTS:

- None known.

SIGNS & SYMPTOMS:

- Redness, itching, localized "pin prick" sensation.

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Section 4: FIRST AID MEASURES

⇒USE APPROPRIATE BLOOD-BORNE PATHOGENS PROTECTIONS←

EYE:

- Flush with water or eyewash. If this does not dislodge the irritant, loosely cover both eyes and get medical attention.

SKIN:

- Wash with soap & water.

INGESTION:

- N/A

INHALATION:

- Move person from source of dust. If irritation develops, get medical attention.

Section 5: FIRE FIGHTING MEASURES

FLASH POINT: non-burning

UEL\LEL: n.d.a.

VAPOR DENSITY: n.d.a.

NFPA FLAMMABILITY RATING: not rated

AUTOIGNITION: n.d.a.

COMBUSTION PRODUCTS: CO, CO₂, NO_x & misc. hydrocarbons

SPECIAL HAZARDS: Burning may cause extra health and safety risks.

EXTINGUISHING MEDIA: Use foam, CO₂, dry chemical, water fog.

FIRE FIGHTER INSTRUCTIONS: Stay upwind. Wear at least full bunker gear and SCBA.

Section 6: ACCIDENTAL RELEASE MEASURES

N/A

Section 7: HANDLING AND STORAGE

Do not create dust with product. Wear protective gloves when handling.

Section 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

GENERAL: Avoid creating dust.

EYE/FACE: No special requirements.

SKIN: Wear protective gloves when handling.

RESPIRATORY: No special requirements.

OTHER: N/S

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: yellow-white fibrous glass

ODOR: none

PHYSICAL STATE: solid

pH: n.d.a.

VAPOR PRESS: N/A

VAPOR DENSITY: N/A

SPECIFIC GRAVITY: 2.6-2.7

BOILING PT: N/A

MELT PT: 800° C (softening)

SOLUBILITY IN H₂O: not soluble

Fiber Diameter: Normally there are no fibers with diameters smaller than 6 microns.

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Section 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: Material is stable with no known conditions to avoid.

INCOMPATIBILITY: None known.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION: None known, other than Sec. 5's Combustion Products.

Section 11: TOXICOLOGICAL INFORMATION

n.d.a.

Section 12: ECOLOGICAL INFORMATION

n.d.a.

Section 13: DISPOSAL CONSIDERATIONS

Dispose in accordance with all applicable laws and regulations. Not considered hazardous waste.

Section 14: TRANSPORT INFORMATION

DOT: Not Regulated

IATA: Not Regulated

Section 15: REGULATORY INFORMATION

OSHA HCS: not listed

DOT 172.101: not listed CERCLA RQ: not listed

CLEAN AIR 112(b): not listed

TSCA: listed

STORMWATER RUNOFF: not listed

SARA 313: not listed

SARA TPQ: not listed

SARA PRIORITY (PC): not listed

CA PROP. 65: not listed.

RISK MGMT: not listed

RCRA Waste Number: none

VOC %: zero

Section 16: OTHER INFORMATION

NFPA: Not rated by NFPA. Following are Air Logistics, Corp. interpolations:

HEALTH 0 FIRE 0 REACTIVITY 0 OTHER none

ABBREVIATIONS: N/A = not applicable; N.D.A. = no data available; N.E. = not established

END OF MSDS

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