

MATERIAL SAFETY DATA SHEET

MSDS E-Glass

2 Pages

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SECTION 1: PRODUCT IDENTIFICATION

PRODUCT: E-Glass materials
SUPPLIER: Culimeta America, Inc.
805 Essex Drive
N. Charleston, SC 29485
EMERGENCY PHONE: (843) 708-8444
DATE LAST REVISION: September, 13th, 2010

SECTION 2: INGREDIENTS AND HAZARD CLASSIFICATION

E-glass Composition: Consists principally of oxides of silicone, aluminum, calcium boron and magnesium fused in an amorphous vitreous state (99.1%)
Surface sizing (complex mixture) (0.9%)
OSHA PEL: 10mg m3 /(%SiO2+2(respirable), 0.3mg/m3 (total dust)
ACGIH TLV: 0.1mg/m3 (respirable dust)

SECTION 3: PHYSICAL DATA

SOFTENING POINT: 1544° F (840° C)
SPECIFIC GRAVITY: 2.52
VAPOR DENSITY (AIR=1): N/A
SOLUBILITY IN WATER: Insoluble
APPEARANCE AND COLOR: WHITE SOLID
FIBER DIAMETER : 6-9 microns

SECTION 4: FIRE AND EXPLOSION HAZARDS

FLASH POINT: >250degC by TOC
EXTINGUISHING MEDIA: Water, carbon dioxide, dry Chemical
SPECIAL FIREFIGHTING PROCEDURES: None
EXPLOSION HAZARDS: None

SECTION 5: REACTIVITY

STABILITY: Stable
HAZARDOUS POLYMERIZATION: None
CONDITIONS & MATERIALS TO AVOID : Avoid strong oxidizing agents
HAZARDOUS DECOMPOSITION PRODUCTS In a sustained fire, sizings may decompose, releasing hazardous products of combustion.

SECTION 6: HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: Inhalation of dust
HEALTH HAZARDS (Acute): dust may irritate eyes or skin
CARCINOGENICITY: Is not known to be carcinogenic

SECTION 7: EMERGENCY FIRST AID

INHALATION: Remove person to fresh air
SKIN AND EYES: Flush with water, if irritation persists, seek medical attention

SECTION 8: EMPLOYEE PROTECTION

RESPIRATORY: Wear dust mask, provide proper ventilation
EYE PROTECTION: Wear goggles
CLOTHING: Wear long sleeves and if needed, cotton gloves
HYGIENE: Wash with soap and water after handling

SECTION 11: PRECAUTIONS: HANDLING, STORAGE AND DISPOSAL

WASTE DISPOSAL: Dispose in accordance with local, state and federal regulations.
HANDLING: Material is non-hazardous, use proper material handling equipment
STORAGE: Store in dry environment

The information presented herein is believed to be factual as it has been derived from the works and opinions of persons believed to be qualified experts; however, nothing contained in this information is to be taken as a warranty of representation for which Culimeta America, Inc. bear legal responsibility. The user should review recommendations in the specific context of the intended use to determine whether they are appropriate.