



INDUSTRIES 3R

MATERIAL SAFETY DATA SHEET

IDENTITY

Part Number: **G10**
 Identity: Epoxy Glass
 Description: Thermoset Laminates

SUPPLIER

Industries 3R inc.
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COMPOSITION/ INFORMATION ON INGREDIENTS

No hazardous ingredients at reportable levels are found in this product.
 A non-flammable sheet material. Dust when machined or punched may cause serious skin or eye irritation.
 Fumes if decomposed, may irritate eyes, nose, and throat.

PHYSICAL DATA

State: Solid
Appearance: Flat sheet, light green
Specific Gravity (H₂O): 1.75+/- 0.25

FIRST AID MEASURES:

Skin: Wash dust off in flowing water or shower. Change contaminated clothing.
Eyes: Irrigation with flowing water for 15 minutes. If irritation persists, consult a physician.
Inhalation: If overcome by dust or smoke, remove to fresh air. If not breathing, give mouth-to-mouth resuscitation. Call physician.
Ingestion: If large amounts are ingested, consult physician.
Advice to Physician: Treat symptomatically.

FIRE FIGHTING

May give off toxic NO_x, CO, and CO₂ when burning or when heated to decomposition. Firemen should wear proper protective equipment and positive pressure self-contained breathing apparatus. Use water, CO₂ and dry chemical to fight fire.

EXPOSURE CONTROLS

Engineering Controls: Use local exhaust ventilation to control dust.

STABILITY AND REACTIVITY DATA

Stability: Stable.
Incompatibility: Not determined.
Hazardous Decomposition Products: CO, CO₂, if heated in excess of 300 deg. C.

HEALTH HAZARD DATA

Skin: Dust may cause moderate skin irritation.
Eyes: Dust may cause moderate eye irritation. Fumes may irritate eyes.
Inhalation: Fibrous glass dust could be released from the fiberglass cloth substrate when machines. The TLV per ACGIH for fibrous glass dust is 10 mg/m³. TWA for particles < 5 microns in diameter.

Ingestion: Not determined.

Delayed Effects: Our product is reinforced with continuous filament fiber glass. Dust generated from the cutting, grinding, machining, etc., would not be expected to produce respirable particles. IARC considers continuous glass filaments as unclassifiable or probably non-carcinogenic.

HANDLING AND STORAGE

The primary exposure route is inhalation of dust when machined/punched or from fumes or vapors when heated.

ACCIDENTAL RELEASE MEASURES

N/A – material is an article.

PERSONAL PROTECTIVE EQUIPMENT

Skin protection: For brief contact to dust, no precautions other than clean body-covering clothing should be needed. Use gloves and aprons when prolonged or frequently repeated contact occurs.

Eye protection: Use appropriate eye protection when machining material.

Respiratory Protection: Atmosphere levels of fibrous glass dust should be maintained below exposure guidelines. When respiratory protection is required for certain operations, use a NIOSH-approved dust respirator.

EXPOSURE GUIDELINES

Ingredients Name : Fibrous glass Dust **CAS# :** 65997-17-3 **CGIH TLV :** 10 mg/m³ **OSHA PEL :** None

TOXICOLOGICAL/ ECOLOGICAL AND DISPOSAL INFORMATION

May cause moderate eye, skin and throat irritation.

Delayed (Subchronic & Chronic) Effects: NTP has determined that respirable size glasswool may be reasonably anticipated to be a carcinogen. IARC has also classified glasswool as a possible carcinogen. Our product is reinforced with continuous filament fiber glass. Dust generated from the cutting, grinding, machining, etc., would not be expected to produce respirable particles. IARC considers continuous glass filaments as unclassifiable or probably non carcinogenic.

Other data: The toxicity of the combustion products was evaluated in a similar product with 95% confidence limits, the LC50 was calculated (Probit Analysis) to be 40.4 (32.2-69.9) mg/L. The LC50 of the standard reference material, Douglas fir, is 27.1 mg/L.

Not biodegradable. Not considered a RCRA hazardous waste if discarded. Disposal must be made in accordance with all applicable Local, State and Federal regulations. The information offered here is for the product as shipped. Use and/or alterations to the product such as mixing with other materials may significantly change the characteristics of the material and alter the RCRA classification and the proper disposal method.

REGULATORY/ TRANSPORT INFORMATION

Not regulated by the US DOT. The resin system components used to make this material are on the TSCA inventory list. There are no SARA 313 “Toxic Chemicals” used to make this material. CAS# and wt.% are found on page 2.

DISCLAIMER

The information, details, dimensions and values indicated are to our best knowledge. We recommend testing according to local conditions. The specifications are subject to change without notice.