

**Product/Chemical #: Fiberglass Reinforced Polymer (FRP) Ballistic Panel**

Date of Preparation: 2/26/2016



**CREATIVE PULTRUSIONS, INC.**

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***Safety Data Sheet***

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**Section 1 – Materials and Company Identification**

**Product/Chemical Name:** Thermoset Polyester Fiberglass Reinforced Composite

**Trade Name:** SUPERArmor

**General Use:** Structural Component

**Manufacturer:** Creative Pultrusions, Inc., 214 Industrial Lane, Alum Bank, PA 15521-8304

PHONE (814) 839-4186, FAX (814) 839-4276 (8AM – 4:30PM EST)

**24 Hour Emergency Phone Number:** (814) 839-4186

**Section 2 – Hazards Identification**

As manufactured this product is considered non-hazardous. Product will form dust and particulate matter when drilling, grinding, cutting or sanding. Dust is combustible.

**Acute Effects**

**Inhalation:** Nuisance dust from machining can cause irritation.

**Eye:** Nuisance dust from machining can cause irritation.

**Skin:** Nuisance dust from machining can cause irritation.

**Ingestion:** N/A

**Carcinogenicity:** N/A

**Medical Conditions Aggravated by Long-Term Exposure:** N/A

**Section 3 – Material Composition and Information on Ingredients**

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>Percent by Weight</u>
Polymerized Polyester Resin Mixture	None	25%-55%
Fiberglass	659997-17-3	45%-75%

**Section 4 – First Aid Measures**

**Inhalation:** Remove from dust to fresh air.

**Eye Contact:** Flush with water or eye rinse.

**Skin Contact:** Wash with soap and cold water.

**Ingestion:** NA

***If condition persists, get appropriate in-plant medical support or consult physician.***

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### Section 5 – Fire Fighting Measures

**Flash Point:** 675F (dust)

**Extinguishing Media:** Water, Foam, Type A, B, or C extinguishers

**Unusual Fire or Explosion Hazards:** Do not expose fine dust to an ignition source.

**Hazardous Combustion Products:** Heavy Smoke, CO, CO<sub>2</sub>, and irritating or toxic vapors and gases

**Fire-Fighting Instructions:** Use self-contained breathing apparatus

### Section 6 – Accidental Release Measures

The product as manufactured is non-hazardous. In areas where drilling, grinding, cutting or sanding occurs on this product, care should be taken to clean up dust. Dust deposits should not be allowed to accumulate on surfaces. Dust is considered a St 1 class dust with a Kst (bar-m/s) of less than 100. Avoid dispersal of dust with compressed air.

### Section 7 – Handling and Storage

Minimize dust generation and accumulation through routine housekeeping to ensure that dusts do not accumulate on surfaces.

Protective gloves are recommended for handling material comfortably. Long sleeved shirts and pants minimize exposure to nuisance dust.

### Section 8 – Exposure Controls/Personal Protection

Component	CAS	Percent	ACGIH TLV	OSHA PEL	Units
Polymerized Polyester Resin Mixture	None	25%-55%	Not Established	Not Established	Not Established
Fiberglass	659997-17-3	45%-75%	Not Established	Not Established	Not Established
Inert or Nuisance dust	None	NA	10	15	mg/m <sup>3</sup>

**Engineering Controls / Ventilation:** Must comply with NFPA 68

**Respiratory Protection:** None required if dust is not present. When dust exposures have the potential to exceed regulated values, a NIOSH approved dust mask must be used.

**Eye Protection:** Safety glasses with side shields or goggles.

**General:** Safety Glasses, Gloves, long sleeved shirts and pants recommended.

### Section 9 – Physical and Chemical Characteristics

**Appearance:** Various colors and shapes structural profiles

**Odor:** No significant odor

**pH:** N/A

**Melting Point/Freezing Point:** N/D

**Initial Boiling Point:** N/A

**Flash Point:** N/A

**Evaporation Rate:** N/A

**Flammability:** N/D

**Upper/Lower Explosion Limit:** N/A

**Vapor Pressure:** N/A

**Vapor Density:** N/A

**Specific Gravity (H<sub>2</sub>O)=1, at 4° C:** 1.61-2.0

**Solubility:** N/A

**Partition Coefficient:** N/A

**Auto-Ignition Temperature:** N/D

**Decomposition Temperature:** N/D

**Viscosity:** N/A

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### Section 10 – Stability/Reactivity

**Stability:** Product is stable.

**Polymerization:** Hazardous polymerization will not occur.

**Conditions to avoid:** Extreme heat, sources of ignition and flames.

**Incompatibilities:** Do not store with strong oxidizing agents.

**Hazardous decomposition products:** Heavy Smoke, CO, CO<sub>2</sub>, and irritating or toxic vapors and gases.

### Section 11 – Toxicological Information

No toxicological test data is available for this product.

### Section 12 – Ecological Information

No ecotoxicity test data is available for this product. This product is not expected to present a hazard to aquatic and terrestrial environments.

### Section 13 – Disposal Considerations

As supplied this product is non-hazardous. Consult federal, state and local regulations for proper disposal.

### Section 14 – Transport Information

#### DOT Transportation Data (49 CFR 172.101):

**Shipping Name:** Not Regulated

**Shipping Symbols:** N/A

**Hazard Class:** Not Hazardous

**ID No.:** N/A

**Packing Group:** Not Determined

**Label:** Not Required

**Special Provisions (172.102):** None

### Section 15 – Regulatory Information

**TSCA Inventory:** All ingredients are on the TSCA inventory.

**SARA Section 313:** None above de minimus quantity.

**SARA 311/312:** None as supplied.

**OSHA Hazardous Communication Categories:** Dust is combustible and an irritant.

**Canada-WHMIS Classification:** Non-hazardous

### Section 16 – Other Information

Refer to NFPA 654, standard for the prevention of fire and dust explosion from the manufacturing, processing and handling of combustible particulate solids, for safe handling of dusts generated during processing.

N/D - Not Determined.

N/A – Not Applicable

**Prepared By:** Ronald W. Allison

**Last Revision:** 03.10.17

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