

**MATERIAL SAFETY DATA SHEET**

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**Vendor Update:** 3/12/2004  
**Date Prepared:** 5/13/2004  
**MSDS Number:** BRF100 ; BRF200 ; BRF300 ;

**I. CHEMICAL PRODUCT IDENTIFICATION**

**Product Name:** BULLET RESISTANT FIBERGLASS  
**HMIS Ratings:**  
**NFPA Ratings:**

**II. COMPOSITION, INFORMATION ON INGREDIENTS**

<b>Chemical Ingredients</b>	<b>C.A.S. Number</b>	<b>% By Weight</b>	<b>ACGIH TLV TWA/STEL</b>	<b>OSHA PEL TWA/STEL</b>	<b>Other TWA/STEL</b>	<b>LD50</b>	<b>LC50</b>
NONE							
<b>Notes</b>							

**III. HAZARDS IDENTIFICATION PRIMARY ROUTE OF ENTRY**

**Eyes:** NOT APPLICABLE  
**Skin:** NOT APPLICABLE  
**Ingestion:** NOT APPLICABLE  
**Inhalation:** NOT APPLICABLE  
**Signs and Symptoms of Exposure:** EFFECTS OF OVEREXPOSURE: DUST FROM GRINDING OR FINISHING CAN CAUSE MILD IRRITATION TO THE EYES AND SKIN. NUISANCE DUST.

**IV. FIRST AID MEASURES**

**Other:** WASH SKIN WELL WITHOUT RUBBING. FOR THE EYES, USE STERILE SOLUTION AND FLOOD THE EYE AREA. CHANGE CLOTHING AFTER EXPOSURE. APPLY ANTISEPTIC CREAM TO IRRITATED SKIN AREA.

**V. FIRE FIGHTING MEASURES**

**Flash Point:** NOT APPLICABLE  
**Lower Flammability Limit:** NOT APPLICABLE  
**Upper Flammability Limit:** NOT APPLICABLE  
**Extinguishing Agents:** WATER, FOAM, TYPE A, B OR C EXTINGUISHERS  
**Unusual Fire or Explosion Hazards:** HEAVY BLACK SMOKE: SELF CONTAINED BREATHING APPARATUS RECOMMENDED, CO, CO<sup>2</sup>, 25-30%, TRACE QUANTITIES OF NOXIOUS GASES RANGING FROM 5-1000 PPM HYDROGEN CYANIDE, PHOSGENE, NITROUS OXIDES, AND HALOGEN GAS COMPOUNDS.  
**Fire Fighting Procedures:** NOT APPLICABLE

**VI. ACCIDENTAL RELEASE MEASURES****Containment/Cleanup:** NOT APPLICABLE**VII. HANDLING AND STORAGE****Other:** NONE**VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION****Eyes:** SAFETY GLASSES WHEN MACHINING**Skin:** PROTECTIVE GLOVES: FOR HANDLING COMFORT  
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: CREAM AND PROTECTIVE CLOTHING WHEN MACHINING.**Respiratory:** WELL VENTILATED AREA.**Engineering:** LOCAL EXHAUST: NOT APPLICABLE  
MECHANICAL (GENERAL): DUST COLLECTOR**Other:** WORK/HYGENIC PRACTICES: NOT APPLICABLE**IX. PHYSICAL AND CHEMICAL PROPERTIES****Appearance:** LIGHT BEIGE**Boiling Point:** NOT APPLICABLE**Solubility in Water:** NONE**Specific Gravity:** 1.6 – 2.0 (H<sub>2</sub>O=1)**Vapor Pressure:** NOT APPLICABLE**Vapor Density:** NOT APPLICABLE**Other:** EVAPORATION RATE: 0 (BUTYL ACETATE = 1)**X. STABILITY AND REACTIVITY****Stability:** STABLE; EXTREME HIGH TEMPERATURE IN EXCESS OF 500°F.**Hazardous Polymerization:** WILL NOT OCCUR**Hazardous Decomposition:** NOT APPLICABLE**Products:****Incompatible Products:** NOT APPLICABLE**XI. TOXICOLOGICAL INFORMATION****XII. ECOLOGICAL INFORMATION****XIII. DISPOSAL CONSIDERATIONS****Disposal Method:** IT IS NOT CONSIDERED HAZARDOUS WASTE.**XIV. TRANSPORT INFORMATION****XV. REGULATORY INFORMATION**

**XVI. OTHER INFORMATION**

**WARRANTY INFORMATION**

THIS INFORMATION IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.