

MATERIAL SAFETY DATA SHEET

Shield Industries, Inc.
Day Telephone: (770) 517-6869

131 Smokehill Lane

Woodstock, Georgia 30188
Emergency Telephone: 1-800-535-5053

ForceField® FireGuard™ Flame Retardant for Fabrics

Section I Product Identification

Product ID: F FGD

Chemical Family: Organic Ammonium Salt (Aqueous Solution)

Last Revision Date: 04/01/02

Preparer: R. Lasnik, Vice President

Section II Hazardous Ingredients

This product contains no hazardous ingredients as per OSHA Communication Standard, CFR 1910.1200.

All ingredients in this product are non-photochemically active.

HMIS Rating: Health-1 Flammability-0 Reactivity-0 PPE-X
PPE rating to be supplied by user depending upon use conditions.

Section III Physical Data

Boiling Point: 100 °C

pH: 7.0 to 7.5

Water Solubility: Soluble

Specific Gravity: 1.08 +/- 0.02

Weight Per Gallon: 8.98 lbs.

Odor: Mild

Appearance: Pale Yellow Liquid

Section IV Fire and Explosion Hazard Data

Flash Point: None

Extinguishing Media: Dry Chemical, Carbon Dioxide, Water Spray, and Foam

Special Fire Fighting Procedures: Evacuate personnel to a safe area, avoid breathing decomposition products, fire fighting personnel should wear respiratory protection.

Section V Health Hazard Data

Primary Route(s) of Entry: Inhalation: Y Ingestion: Y Skin: Y Eyes: Y

Effects of Acute Overexposure:

Eye: May cause stinging of eyes followed by irritation.

Skin: Prolonged and repeated skin exposure may be irritating to some people.

Ingestion: Effects are unknown. Seek medical attention as needed.

Inhalation: Over exposure can cause nasal and respiratory irritation.

Carcinogenicity Information: IARC, NTP, OSHA or ACGIH lists none of the components present in this material as a carcinogen.

First Aid Procedures: Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult or if respiratory tract is irritated, consult a physician.

Skin Contact: Remove contaminated clothing. Flush skin with soap and water.

Eye Contact: Flush eyes at least 15 minutes with fresh water. Consult a physician if irritation persists.

Ingestion: Seek medical attention immediately.

F FGD FireGuard™ - Flame Retardant for Fabrics

Section VI Reactivity Data

Instability: Stable

Incompatible Materials: None Known.

Hazardous Decomposition Products: Thermal decomposition and burning may produce Oxides of Carbon and Nitrogen.

Hazardous Polymerization: None will occur.

Section VII Spill or Leak Procedures

Spill, Leak, or Release: Contain spill and salvage as much material as possible. Pick up the remaining with absorbent.

Waste Disposal: Dispose of only by methods approved by and used in accordance with local, state, and federal regulations.

Section VIII Special Protection Information

Engineering Controls: Use adequate ventilation. Vent fumes outside work area. Use NIOSH approved respirator if airborne concentrations pose a health hazard.

Respiratory: None required with adequate ventilation.

Protective Gloves: Use rubber or plastic gloves to prevent prolonged contact.

Eye: Use safety eye wear where splashing is likely.

Protective Clothing: None required.

Section IX Special Precautions

Storage: Store above 32⁰F in a well-ventilated area. Keep container tightly closed to prevent leakage or evaporation. Keep out of reach of children. Do not consume food, drink, or tobacco in areas where they may become contaminated by this material. Always wash hands thoroughly with soap and water prior to eating, drinking, or smoking.

Section X Regulatory Information

EPA Regulations: SARA Section 311/312 Hazards Categories: None

DOT Shipping Name: Not Regulated

Disclaimer: As the handling and use of products under user's conditions are beyond our control, no warranty, expressed or implied, including, but not limited to merchantability or fitness for a particular use, is made concerning this product. The user assumes all risk of use or handling whether or not in accordance with any directions or suggestions of the supplier. Seller shall not be liable to purchaser or any other person for loss or damages directly or indirectly arising from the use of our products, from breach of any warranty or from any other cause, the exclusive remedy against the seller being to require replacement or repair of defective goods.