



## **ForceField® FireGuard™ XL95 Flame Retardant**

### **SAFETY DATA SHEET**

#### **SECTION 1 – CHEMICAL AND COMPANY IDENTIFICATION:**

Product Name: ForceField FireGuard XL95 Flame Retardant	Date Printed: 10/9/2015
Product Use/Class: Water-Based Flame Retardant	Product ID: F FG-XL95
Supplier: Shield Industries, Inc.	Manufacturer: Shield Industries, Inc.
Address: 131 Smokehill Lane Woodstock, GA 30188 - USA	Address: 131 Smokehill Lane Woodstock, GA 30188 - USA
Telephone: 770-517-6869	24 Hour Emergency Hotline: 800-535-5053

#### **SECTION 2 – HAZARD/ IDENTIFICATION:**

**HAZARD CLASS:** N.A.      **CATEGORY:** N.A.

**SIGNAL WORD:** Caution

**HAZARD STATEMENT(S):**

Irritating to eyes, respiratory system and skin. (R36/37/38)

**PICTOGRAM:** N.A.

**PRECAUTIONARY STATEMENT(S):**

Keep out of the reach of children. (S2)

Keep in a cool place. (S3)

When using do not eat, drink or smoke. (S20/21)

Avoid contact with skin and eyes. (S24/24)

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. (S26)

Wear suitable protective clothing, gloves and eye/face protection. (S36/37/39)

If swallowed, seek medical advice immediately and show this container or label. (S46)

In case of accident by inhalation: remove casualty to fresh air and keep at rest. (S63)

**HAZARDS NOT OTHERWISE CLASSIFIED (HNOC):** None known.

**TOXICITY STATEMENT:**

**This product is a mixture containing up to 55% of ingredients with unknown toxicity.**

### **SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS:**

ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT %
1.	Water	7732-18-5	< 60%
2.	Organic Ammonium Salt (Proprietary)	Trade Secret	<55%
3.	2-Propanol	67-63-0	<0.5%

All ingredients in this product are non-photochemically active.

### **SECTION 4 – FIRST AID MEASURES:**

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 physician if irritation persists.
INGESTION:	Effects of ingestion are not known. Seek medical attention immediately and follow instructions given. Never give anything to an unconscious person.

### **SECTION 5 – FIRE FIGHTING MEASURES:**

FLAMMABILITY:	Non-Combustible Liquid	FLASH POINT:	>93°C
LOWER EXPLOSIVE LIMIT:	N.D.	UPPER EXPLOSION LIMIT:	N.D.

HAZARDOUS COMBUSTION PRODUCTS:	Oxides of Carbon, and Nitrogen
EXTINGUISHING MEDIA:	Dry Chemical, Carbon Dioxide, Water Spray, Foam
SPECIAL FIRE FIGHTING PROCEDURES:	Water fog nozzles may be used to cool fire-exposed containers.

### **SECTION 6 – ACCIDENTAL RELEASE MEASURES:**

#### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Contain the spill and salvage as much material as possible. Pick-up the remaining material with absorbent.

### **SECTION 7 – HANDLING AND STORAGE:**

HANDLING: Keep container tightly closed when not in use to prevent leakage or evaporation. See product label for additional information.

STORAGE: Store at temperatures above 0° C, in a well-ventilated area. When opening containers, do so slowly to vent slight pressure that may build up after prolonged storage. **Keep out of reach of children.**

### **SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION:**

GENERAL: Keep container tightly closed. Do not consume food, drink, or tobacco in areas where they may become contaminated by this material. Wear goggles or face mask if splashing is likely. Use rubber or plastic gloves to prevent prolonged contact.

EYE PROTECTION: Use safety eye wear where splashing is likely.  
 SKIN PROTECTION: Use rubber or plastic gloves to minimize physical contact.  
 RESPIRATORY PROTECTION: None required with normal ventilation.  
 ENGINEERING CONTROLS: None required under normal use.  
 OTHER PROTECTIVE MEASURES: None required under normal use.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES:**

BOILING POINT:	>100 degrees Centigrade	VAPOR DENSITY:	N.D.
SOLUBILITY IN WATER:	Completely Emulsifiable	IONIC NATURE:	Non-Ionic
VISCOSITY:	N.D.	VAPOR PRESSURE:	N.D.
EVAPORATION RATE:	Aprox. = Water	FREEZE POINT:	N.D.
SPECIFIC GRAVITY (H2O=1):	1.11 +/- 0.02	SOLIDS BY WEIGHT:	N.D.
VOC	0.5%	LVP :	0.0%

**SECTION 10 – STABILITY AND REACTIVITY:**

INSTABILITY:	Stable	POLYMERIZATION:	Will not occur.
DECOMPOSITION:	None.		
INCOMPATIBLE MATERIALS:	Strong Oxidizing Agents.		
CONDITIONS TO AVOID:	None known.		

**SECTION 11 – TOXICOLOGICAL PROPERTIES:**

COMPONENT TOXICOLOGICAL INFORMATION:

<u>CHEMICAL NAME</u>	<u>LD50</u>
Organic Ammonium Salt (Proprietary)	No Information
2-Propanol	5,045 mg/kg (oral, rat)

CARCINOGENICITY INFORMATION:

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

**SECTION 12 – ECOLOGICAL INFORMATION:**

BOD28:	N.E.
COD:	N.E.
%28-DAY BIODEGRADABILITY: (T.M. OECD 3010)	N.E.
ASRT EC50: (ACTIVATED SLUDGE RESPIRATION INHIBITION TEST, T.M. OECD 209)	N.E.
CERIODAPHNIA 48-H EC50 (T.M. OECD 202)	N.E.
OTHER:	No Information

**SECTION 13 – DISPOSAL CONSIDERATIONS:**

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

**SECTION 14 – TRANSPORTATION INFORMATION:**

DOT PROPER SHIPPING NAME: Not regulated under DOT/IMO.  
DOT TECHNICAL NAME: Not regulated under DOT/IMO  
DOT HAZARD CLASS: N.A. HAZARD SUBCLASS: N.A.  
DOT UN/NA NUMBER: N.A. PACKING GROUP: N.A.  
RESP. GUIDE PAGE: N.A. WHMIS INFORMATION: N.D.

**SECTION 15 – REGULATORY INFORMATION:**

EEC LABELING: (LABELING FOLLOWING ARTICLE 6 OF DIRECTIVE 92/32/EEC)

NAME OF DANGEROUS PRODUCT: None

WARNING THAT MUST BE INDICATED ON THE LABEL: Caution

-SYMBOLS: None

-R PHRASE: None

-S PHRASE: Keep out of the reach of children. (S2)  
Avoid contact with skin and eyes. (S24/24)  
In case of contact with eyes, rinse immediately with plenty of water and seek  
medical advice. (S26)  
If swallowed, seek medical advice immediately and show this container or label. (S46)  
In case of accident by inhalation: remove casualty to fresh air and keep at rest. (S63)

MEDICAL ADVICE: None

**SECTION 16 – OTHER INFORMATION:**

HMIS RATING: HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0  
Personal protection rating to be supplied by user depending on use conditions.

PREPARATION INFORMATION:

DATE CREATED: 01/01/2009 LAST REVISION: 9/30/2015  
CREATED/REVISED BY: R. Lasnik  
LEGEND: N.A. – Not Applicable N.E. – Not Established  
N.D. – Not Determined T.M. – Test Method

**DISCLAIMER:**

All terms and abbreviations have been defined in various government publications, or are standard chemical terms used by IUPAC. The data and recommendations herein are based upon our research and the research of others, and are believed to be accurate. However, no warranty or guaranty of their accuracy is made; and 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.