



FIBER-SHIELD
INDUSTRIES, INCORPORATED
WORLDWIDE SALES & DISTRIBUTION



Safety Data Sheet FLAME-SHIELD® FS-115

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : FLAME-SHIELD
Product ID : FS-115
Product Use Description : Fire retardant for textiles, paper and wood

Manufacturer or supplier's details

Company : Fiber-Shield Industries, Inc.
Address : 26 Old Dock Road
Yaphank, NY 11980-0240
Telephone : (631) -345-0240
Fax : (631) -345-0509

24 Hour emergency telephone number:
CHEMTREC (800) 424-9300 or (703) 527-3887

SECTION 2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION: Eye Irritation - Classification Not Possible
Skin Irritation - Classification Not Possible
Acute Toxicity - Not Classified; Appx 33% of ingredients(s) have no known acute toxicity
Respiratory Sensitization - Classification Not Possible
Skin Sensitization - Classification Not Possible

GHS LABEL REQUIREMENTS: Symbol - None
Signal Word - None
Hazard Statement(s) - None
Precautionary Statement(s) - None

Other Hazards: May cause skin, and respiratory irritation. It may also be harmful if inhaled.



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SECTION 3. INFORMATION ON INGREDIENTS

COMPONENT	CAS NO.	PERCENT
Water	7732-18-5	65-70
Proprietary flame retardant ingredients	Trade Secret	30-35

SECTION 4. FIRST AID MEASURES

INGESTION: Consult a physician immediately.

EYE CONTACT: Flush with large amounts of water for 10-15 minutes. Consult a physician if needed.

SKIN CONTACT: Wash affected area with soap and water. Remove contaminated clothing and shoes.

INHALATION: Leave the contaminated area and seek fresh air. If breathing is difficult, contact a physician.

SECTION 5. FIREFIGHTING MEASURES

EXTINGUISHING MEDIA: Alcohol foam, CO₂, dry chemical or water spray

PROTECTIVE EQUIPMENT: Use NIOSH/MSHA approved SCBA and bunker gear.

HAZARDOUS COMBUSTION PRODUCTS: CO₂, CO, Ammonia and other compounds



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SECTION 6. ACCIDENTAL RELEASE MEASURES

Ensure cleanup is done only by trained personnel wearing appropriate personal protective equipment. Ventilate area and cover with absorbent material. Collect spilled material in a container and seal. Spilled material is a slipping hazard.

SECTION 7. HANDLING & STORAGE

HANDLING

Follow safe industrial hygiene practices and wear proper protective equipment.
Use only in well ventilated areas.
Wash hands thoroughly after handling.
Wash clothing after use.
Avoid contact with skin or eyes.
Do not breathe vapor or spray.
Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material.
If smoking tobacco becomes contaminated by this material, exposure to traces of toxic gases through inhalation can occur.
Therefore, do not smoke in the work areas and wash hands and face after handling in order to avoid transfer of material onto tobacco.

STORAGE

Store material at 5°C (40°F) to 40°C (104°F).
Can perish if frozen. Keep from freezing.
Keep away from heat, steam, sunlight, sparks and open flame.
Store containers tightly closed when not in use.



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SECTION 8. EXPOSURE CONTROLS & PERSONAL PROTECTIVE EQUIPMENT

EXPOSURE LIMITS:	No exposure limits available for the product. Excessive exposure to thermal degradation (above 425°C/797°F) of this product could potentially result in delayed pulmonary edema in some instances.
RESPIRATORY PROTECTION:	Use with adequate ventilation and/or respirator suitable for protection when spraying this material.
EYE PROTECTION:	Safety glasses with side shields or goggles.
PROTECTIVE CLOTHING:	Chemical resistant gloves and protective clothing should be worn when handling this material.
VENTILATION:	Use local exhaust ventilation if needed.
OTHER PROTECTIVE EQUIPMENT:	Eyewash station and safety shower.

SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE:	Clear to hazy liquid
ODOR:	Not available
ODOR THRESHOLD:	Not available
pH:	6.5-7.5
MELTING POINT:	Not Applicable
FREEZING POINT:	Approximately 0°C (32°F)
BOILING POINT/RANGE:	Approximately 100°C (212°F) (water)



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FLASH POINT:	Doesn't flash
FLAMMABLE LIMITS:	LEL - Not Available UEL - Not Available
EVAPORATION RATE (Butyl acetate=1):	Not Available
VAPOR PRESSURE:	Not Available
VAPOR DENSITY:	Not Available
SPECIFIC GRAVITY (H ₂ O=1):	Approximately 1.2 at 25°C
APPARENT DENSITY:	Not Available
SOLUBILITY(IES):	Miscible in water
PARTITION COEFFICIENT (n-octanol/water):	Not Available
AUTO-IGNITION TEMPERATURE:	Not Available
DECOMPOSITION TEMPERATURE:	Not Available
VISCOSITY:	Not Available



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SECTION 10. STABILITY & REACTIVITY

STABILITY:	Stable
CONDITIONS TO AVOID:	None known.
INCOMPATIBILITIES:	None known.
HAZARDOUS POLYMERIZATION:	Should not occur
HAZARDOUS DECOMPOSITION:	CO, CO ₂ , Possible traces of Ammonia and traces of other toxic materials

SECTION 11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS OF EXPOSURE

Ingestion:	May be harmful if swallowed
Eye Contact:	May cause mild irritation
Skin contact:	May cause skin irritation
Inhalation:	May cause respiratory irritation

CHRONIC EFFECTS OF EXPOSURE:	No Data Available
ACUTE TOXICITY:	No Data Available
SKIN CORROSION/IRRITATION:	No Data Available
SERIOUS EYE DAMAGE/IRRITATION:	No Data Available
RESPIRATORY OR SKIN SENSITIZATION:	No Data Available



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GERM CELL MUTAGENICITY:	No Data Available
CARCINOGENICITY:	None of the components in this material are listed by NTP, OSHA or IARC.
REPRODUCTIVE TOXICITY:	No Data Available
STOT-SINGLE EXPOSURE:	No Data Available
STOT-REPEATED EXPOSURE:	No Data Available
ASPIRATION HAZARD:	Not applicable

SECTION 12. ECOLOGICAL INFORMATION

BIODEGRADABILITY:	No data
BIOACCUMULATION:	No data

SECTION 13. DISPOSAL CONSIDERATIONS

Comply with Federal, State and Local regulations concerning health and environment when disposing of materials. Regulations may also apply to empty containers, liners, or rinsate..



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SECTION 14. TRANSPORT INFORMATION

UN CLASSIFICATION:	Not applicable
DOT HAZARD DESCRIPTION:	Not applicable
CANADIAN TRANSPORTATION OF DANGEROUS GOODS (TDG):	Not applicable

SECTION 15. REGULATORY INFORMATION

TSCA:	All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substance Control Act (TSCA) Chemical Substance Inventory.
California Prop 65	None
Canada	All components are listed on DSL
EINECS	All components are in compliance with inventory listing in EINECS
Other:	State and local regulations may have specific requirements for this product or components of this product; consult specific state and local regulatory requirements for additional information.



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SECTION 16. OTHER INFORMATION

This product does not contain any PBDEs.

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