

Fire Block Fire Retardant is a fire retarding agent specifically formulated to effectively and safely retard all Class A materials. Fire Block works to form its own insulation barrier to prevent dangerous flames from spreading. Fire Block also inhibits the development of hydrocarbon smoke. Fire Block is non-flammable, safe to store, handle and use and is environmentally safe.

## SECTION 1: IDENTIFICATION

**Manufacturer:** Firefreeze Worldwide, Inc.  
**Address:** 272 Route 46 East, Rockaway, NJ 07866  
**Phone:** 973-627-0722; Fax: 973-627-2982  
**Email:** info@firefreeze.com  
**Product/Trade Name:** Fire Block  
**Chemical Identifier:** FB500  
**Product Usage:** Class A and fabric (textile) fire retardant

For information about this SDS, contact phone#: 973-627-0722 or email info@firefreeze.com

## SECTION 2: HAZARD(S) IDENTIFICATION

### Hazardous Materials Identification System:

**Health:** 0  
**Flammability:** 0  
**Reactivity:** 0  
**Personal Protection:** 0

No components are believed to be hazardous or listed in the NIOSH Recommendations for Occupational Safety and Health Standards, 1988, or are listed by SARA, CERCLA, or RCRA. No OSHA PEL's are established for any of the proprietary ingredients.

## SECTION 3: COMPOSITION INFORMATION

**Formulation is proprietary and components are classified trade secret.**

Components are classified trade secret. Fire Block fire retardant is a water-based fire retarding agent specially formulated to effectively and safely retard all Class A and other specific fabrics according to NFPA 255 and NFPA 701. Fire Block is a CAL FIRE Registered Flame Retardant Product. Fire Block does not contain bromides.

## SECTION 4: FIRST-AID MEASURES

**Skin:** Flush affected area and wash with water.  
**Eyes:** Immediately flush eyes with water for at least 15 minutes as per OSHA standards. Seek medical aid if irritation persists.  
**Inhalation:** Negligible  
**Ingestion:** Do not ingest.

## SECTION 5: FIRE-FIGHTING MEASURES

**Non-Flammable:** No hazardous combustion ingredients. Product is water based. Will not ignite.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Spill/leak procedure:** Rinse affected area with water and dry.  
**Measures for environmental disposal:** Dispose of as non-hazardous waste in accordance with local regulations.

## SECTION 7: HANDLING AND STORAGE

**Handling:** Respiratory Protection: not required.  
**Ventilation:** Under ordinary/normal conditions for intended use, no special ventilation is required.  
**Protective gloves:** Wear if there is prolonged skin contact as natural surfactants can dry skin.  
**Eye Protection:** Wear if needed to prevent reasonable probability of eye contact.  
**Storage:** Store in temperatures between 32°F to 120°F in closed containers to prevent evaporation and/or deterioration. Freezing will not damage material as long as container remains intact.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

General protective and hygienic measures: Wash hands prior and after handling as per general hygiene measures. No special protective equipment required.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point:** 212°F Vapor Pressure (mm Hg): Same as water.

**Solubility in water:** 100%

**Specific Gravity:** 1.09 @ 60°F

**pH:** 7-8 (neutral)

**Appearance/Odor:** Opaque appearance, mild fresh scent.

\*Does not contain bromides.

## SECTION 10: STABILITY AND REACTIVITY

**Stability:** Product is stable

**Incompatibility:** None

**Hazardous Polymerization:** Will not occur.

**Decomposition Products:** Carbon dioxide, water, minerals

## SECTION 11: TOXICOLOGICAL INFORMATION

**Biodegradability:** Product is 100% biodegradable in an active environment within 21 days.

**Toxicity:** In accordance with U.S. EPA Office of Pollution Prevention and Toxics criteria for ranking the acute toxicity of chemicals Fire Block, Fire Retardant is considered of low concern.

## SECTION 12: ECOLOGICAL INFORMATION (NON-MANDATORY)

**Biodegradability:** Product is 100% biodegradable in an active environment within 21 days.

## SECTION 13: DISPOSAL CONSIDERATIONS (NON-MANDATORY)

Dispose of as non-hazardous waste in accordance with regulations.

## SECTION 14: TRANSPORT INFORMATION (NON-MANDATORY)

**US DOT Hazard Class:** Non-hazardous

**UN Number:** Not applicable

**US DOT Identification Number:** Not regulated

**NMFC Code:** 45970

## SECTION 15: REGULATORY INFORMATION (NON-MANDATORY)

-NFPA 255: Test of Surface Burning Characteristics of Class A Building Materials  
ASTME-84: Standard test method for surface burning. NFPA 701: Standard methods of fire tests for flame propagation of textiles and files. CAL FIRE Registered Flame Resistant- Product Registration: C-26901

## SECTION 16: OTHER INFORMATION

**SDS date of preparation / update:** July 20, 2022