



FIRE RETARDANT

# FS CONCENTRATE

## PRODUCT DATA SHEET

**FS Concentrate (FS-C)** is a concentrated, water based fire retardant designed for treatment of fabrics. FS-C is water borne mix of proprietary ingredients, which forms a carbon char when the treated fabric is exposed to fire. Once the carbon char is formed there will be minimal flame propagation, smoke evolution or afterglow. The product is designed for interior use only.

### APPLICATION

FS-C is a highly concentrated version of the product, designed for shipping savings or commercial applications.

Most fabrics, when properly treated with the correct Fabric Seal dilution, can pass the NFPA 701, FAR 25.853, British Standards 5852 (1,2), UFAC.

**FS - Fire Retardants** can be applied via spray, dipping, or machine application. The product must penetrate the fabric and be allowed to thoroughly dry to be effective. The recommended coverage rate is 300 ft<sup>2</sup> per gallon after proper dilution. Most fabrics properly treated with this product will meet the NFPA 701 requirements.

It is recommended that a small sample be tested for penetration and color fastness before application. Excess material should be removed by mechanical action (wringing or spin cycle). Then simply allow to air dry or force dry with a mechanical dryer.

This product may be used on: carpet, draperies, furniture, wall coverings, rayon, polyester, most synthetics, and blends

FS - Fire Retardants contain water-soluble ingredients that can be removed by exposure to significant amounts of water during cleaning. It is recommended that the fabric be re-treated with FS after dry cleaning three times or one machine washing.

**Note:** Some stiffening of the treated fabrics may occur, especially with heavier treatments. It is the end user's responsibility to find the optimal degree of fire retardancy vs. any stiffening for their application.

### PACKAGING & HANDLING

FS-C is a liquid available in various packaging sizes, from a 1-gallon pail to bulk containers.

Refer to the SDS for proper handling.

### STORAGE CONDITIONS

- Temp: 40 - 90 °F
- **Two year shelf life from manufacture date.**

### TYPICAL ANALYSIS

Total Solids	31 - 34%
Weight per Gallon	9.9 - 10.2 lbs
Specific Gravity	1.19 - 1.23
ph	5.5 - 6.5

Product contains no PBDE's (Polybrominated Diphenyl Ethers) or petroleum derivatives.

### WARRANTIES

Products are guaranteed to perform their fire retardant function as represented by third-party tests if applied according to the manufacturer's published instructions. \*There are no other warranties either expressed or implied since FS Products cannot control the actual application of the products. Users must determine usability and suitability for their particular requirements, as well as compatibility with the exact materials to be treated or coated.



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