

Product Data Sheet



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Chemical Name:

Flame Stop I-C

Tested By:

U.S. Testing Company Inc.

Description:

Flame Stop I-C is a **post-treatment** fire retardant designed exclusively for fabric that contains a minimum of 25% natural fiber. This product **dries clear**. This product is designed to not change the color or hand feel of the fabric. Flame Stop I-C was vigorously tested by the California Title 19 test, which surpasses the NFPA 701 test. When the treated material is subjected to an open flame, the retardant will **pyrolitically self-extinguish fire with minimum smoke**. Flame Stop I-C is completely **non-toxic and non-hazardous** to the environment and easy to apply. **ALL FLAME STOP PRODUCTS ARE NON-TOXIC, NON HALOGENATED, CONTAIN NO FORM OF BROMINE AND CONTAIN MOLD AND MILDEW INHIBITORS WHICH ARE EFFECTIVE AGAINST BLACK MOLD**

Basic Uses:

Flame Stop I-C should be used for interior fabric applications with a minimum natural fiber content of 25%. Fabrics must be cleaned before application. The life of the flame retardancy is indefinite as long as fabrics are not wet washed or exposed to high humidity, however they may be **dry cleaned up to 15 times**. All of our products were tested using single-coated materials. Flame Stop I-C is often chosen because it is **non-toxic, dries clear, easy (spray, brush or roll) application**. Each gallon covers approx. 200-300 sq ft depending on type and thickness of fabric treated.

Advantages:

Flame Stop I-C has one main advantage over the other fire retardants on the market. In most cases after treatment, the fabric looks and feels exactly the way it did before this product was applied. The fabric gains only one characteristic, **IT BECOMES FIRE RETARDANT**. **Limitations:**

DO NOT DILUTE. Storage range: 45-110 degrees F., Shelf Life: 3 years if kept within storage temperature range.

Fabric must be cleaned before application. If fabric is not clean before application, it may leave dirt streaks. A simple way to test this before application is to spray a small portion with water and notice the characteristics. A re-coat may be required on some materials.

Applicable Standards:

Flame Stop I-C has been tested to the following standards: US Testing #LA41266, California Title 19, FAR 25.853, Meets or exceeds NFPA 701. California State Fire Marshal Approval C-14401

Application:

Flame Stop I-C should be applied as is by spraying or immersing. In order to be effective, there must be a 2-5% increase in the weight of the fabric. A heavier coat may be needed on fabrics that have a higher density. Since all fabrics have a different density, a small test should be performed by the utilization of a small flame (butane lighter). Hold a 4"X12" piece of the treated material vertically and apply the flame to the lower portion for 10 seconds, remove the ignition source. The flame must go out within 2 seconds. (This test is similar to the small-scale NFPA field test).

*******After treatment, a 24-hour conditioning period is necessary before testing*******

Warranty: This product is sold on condition that the user will evaluate them to determine their suitability for their purpose. Flame-Block of Kansas & Flame Stop, Inc. warrants that each quantity of Flame Stop I will be the kind designated and free of defects and no other warranty is implied since we have no control over the application.

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Technical Support

Total Solids:	9%
Wt. Per Gallon	9 lbs.
Average pH:	5.3
Color:	Clear
Solvents:	Water
Bacterial:	Good Resistance
Fungus:	Good Resistance
Volatility:	None
Toxic:	No
Biodegradable:	Yes
Corrosive:	Mildly on Unplated steel
Linear Shrinkage:	None
Insects, Rodents, and mold:	Excellent resistance