

CHEMICAL NAME:

# FLAME STOP® I-DS

## PRODUCT DATA SHEET



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### DESCRIPTION:

Flame Stop I-DS is a post-treatment pyrolitic interior/exterior fire retardant penetrant. This product dries clear. This product is highly concentrated and has significant wetting properties. I-DS was designed to penetrate and effectively fire retard open and closed cell structures. When the treated material is subjected to an open flame, the retardant will pyrolitically self-extinguish fire with minimum smoke. Flame Stop I-DS is completely non-toxic and non-hazardous to the environment and simple to apply.

### BASIC USES:

Flame Stop I-DS is used for interior and exterior applications such as: open and closed cell foams, foam rubber, nylon netting, exterior composition siding, thatching, bamboo, hardwoods, synthetic fabrics, plastics and many other difficult to penetrate materials.

### ADVANTAGES:

Class A one coat system. 10 flame spread on Reed Thatching. FAA Certified. Since Flame Stop I-DS penetrates and becomes part of the substrate, the life of the flame retardancy is indefinite in most cases. All of our products were tested using single-coated materials. Flame Stop I-DS has many uses and is our most concentrated fire retardant. Flame Stop I-DS will not deteriorate because it is not a coating instead it penetrates and becomes part of most materials. Flame Stop I-DS is often chosen because it is non-toxic, dries clear, easy (spray, brush or roll) application. Once cured for 24 hours the treated material may be painted with most latex based paints.

### LIMITATIONS:

Do not dilute. Storage Range: 110 degrees F. to 45 degrees F. Shelf Life: 3 years if kept within storage temperatures. A strong compatibility test is recommended.

### APPLICABLE STANDARDS:

Flame Stop I-DS has been tested to the following standards:

ASTM E-84, NFPA 255, UL 723: U.S. Testing Title 4 #LA 63494 (Ether Foam), Omega Point Laboratories #8924-89133 (Reed Thatching) FAR 25.853 (Polyurethane Foam) CA Reg. #C-14401 NFPA 701

### APPLICATION:

All materials to be treated should be clean. Flame Stop I-DS can be applied as is by spraying or immersing. A small test should be performed by the utilization of a small flame (butane lighter). Hold a 4" X 12" 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 701 field test) Apply to wood at the rate of 200 square feet per gallon.

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

FLAMESPREAD 10 on Reed Thatching

September 22, 2008

### WARRANTY:

Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out of the use or the inability to use the product. Before using, user shall determine the suitability of the product for his intended use, and user assumes all risk and liability whatsoever in connection therewith.

### Technical Support

Total Solids:	35%
Wt Per Gallon:	10 lbs.
Average pH:	7.0
Color:	clear
Solvents:	water
Bacterial:	good resistance
Fungus:	good resistance
Volatility:	none
Toxic:	no
Biodegradeable:	yes
Corrosive:	mildly corrosive on unplated steel
Linear Shrinkage:	None
Insects, Rodents and mold:	Excellent Resistance



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