

UNIVERSAL FIRE-SHIELD



F-2000 FABRIC SHIELD

LEATHER & CANVAS LC-2001
SYNTHETICS NS-2002



**CLEAR LIQUID, DRIES
INVISIBLE, NO ODOR,
PREVENTS COMBUSTION**

An amazing clear liquid product that has been demonstrated when applied to fabrics, makes them virtually fire resistant. Safe to use, no odor.

The number one flame retardant for fabrics a proven winner. Schools, hospitals, public areas offices and residential.

Fire like this can easily be eliminated!



Flammable fabric type materials in homes, offices, hospitals, schools, boats and aircraft may be fire resistant without altering their appearance. Its revolutionary! Universal Fabric-Shield F-2000™ actually creates an invisible barrier to fire. LC-2001™ is for Canvas, Burlap and Leathers, NS-2002™ is formulated to treat synthetics and silk.

Universal Fabric-Shield™ formulas provide excellent fire and smoke protection throughout the interior of homes and businesses. The non-toxic, non-staining properties of Universal Fabric-Shield™ make it a natural for protecting interior furnishings such as: carpet, upholstered furniture, bedding, drapes, cotton muslin, fabric wall coverings, artificial flowers, leather, rope and much more.



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TECHNICAL INFORMATION



BEAUTY AND MAXIMUM SAFETY

COMMERCIAL AND RESIDENTIAL APPLICATIONS
Universal Fire-Shield™ when applied does not harm or stain the beauty and charm of your furnishings. Excellent for Aircraft, Museums, Theater, Public Meeting Rooms, Hotels, Resorts, Schools, Home Owners and Yachts. Most all furnishings can be flame resistant and provide real fire safety.

Universal Fabric-Shield™ is a superior grade fire inhibitor. Excellent invisible protection for artificial flowers, carpets, drapes, rope, straw, wall coverings, upholstery, banners and many more. Developed to prevent flame spread reduces smoke and ignition.

Fabric-Shield™ is a clear odorless treatment that will not discolor or show any tale tale signs. Also Fabric-Shield™ is not harmful to pets. No petroleum derivatives, no asbestos, no ammonia.

MEETING THE TEST: RESULTS

Universal Fabric-Shield's™ formulas have been tested by SGS Laboratories and field tested in the USA and Canada. Meets or exceeds the FAR 25.853 A & B (ignition resistance of aircraft interior materials), the Boston, NFPA 701, NFPA 260, NFPA 265, New York-New Jersey Port Authority, Boston, Rhode Island and the Cal Tech 117-F requirements for extinguishing time, char length, drip sec, and AFGL-sec. In addition, FABRIC SHIELD™ treated cotton exceeds the stringent standard set forth with section 1237.1, Title 19 Public Safety Code regulations from California. More info call our office.

ECONOMICAL - POWERFUL - SAFE
Fabric-Shield™ will cover approx. 200- 300 sq.ft. per gallon depending on thickness of fabric.

FOR LEATHER & CANVAS REQUEST:
UNIVERSAL LEATHER-SHIELD™ LC-2001

UNIVERSAL FABRIC SHIELD™

F-2000, LC-2001, NS-2002



APPLICATION:

Treat all materials as specified on container label or as to manufacture direction. Some materials require testing before treating and is recommended. Please specify material to be treated when ordering. 100% Nylon, Rayon and Acetates etc. require NS-2002™ Nylon and Synthetic Fabric Shield to be treated. Treatment for "canvas, leather and burlaps" please specify LC-2001. When applying to outdoor canvas a water repellent may be added after flame retardant has dried.

TEXTILES AND FABRICS

Average coverage of treatment is up to 300 sq. ft. per US gallon. Apply with a hand or pump sprayer held at 6" to 8" from material surface using an even flow. Cover entire surfaces until feeling damp and allow to dry. Repeat the second application but "do not over saturate", treat both sides when possible and treat until slightly damp. It is always best to apply a two coat application. It is recommended to test a sample of material before and after application. For two coat application allow to dry between applying. Take a sample of material and attempt to set on fire with match or lighter for 8 seconds. This is called a vertical burn test. The fabric or material should and will carbon char from flame, when flame is removed no more than two seconds for after burn. When test is complete material is ready for use. Some materials will take more or less product depending on the type and blend of materials. If a third application is needed do so. **IMPORTANT:** It is recommended to re-apply treatment if deep cleaned. Can be pressed after treatment.

UPHOLSTERY Apply with hand or electric sprayer. Spray treat until moist. Turn stuffed chairs, couches and seating over and remove back cover. Treat inner and outer surfaces. Allow to dry and repeat with a light spray. Check for color fastness by applying to an area that is obscure. Test before applying to entire surface. Leather, synthetics and liners treat back side. **WALL COVERINGS** Apply a light mist or sponge application. Treat until slightly moist do not over saturate. **DRAPES, CARPETS AND RUGS** Apply with hand or electrical sprayer until moist. For best results lightly brush first application to get chemical deep into the surface, then follow up with a light spray over coat after drying. **IMPORTANT:** It is recommended to re-apply treatment if deep cleaned.

UNIVERSAL PROTECTIVE TECHNOLOGIES AND UNIVERSAL FIRE-SHIELD are dedicated to setting not merely following industry standards through our on going research and development in the fire prevention field. It is our resolve to educate and inform the public and its providers on the significance of fire retardant chemicals and its benefits.

PRODUCT SPECIFICATION AND TECHNICAL DATA

UNIVERSAL FABRIC SHIELD™ (Trade Secret Formulas) MSDS Boric Acid 3%, Sodium Bromide 5% and other organic compounds. This aqueous based liquid coating penetrant recommended for Interior usage. Total Solids =20%, weight per gallon= 9.10 lbs., specific gravity =1.19, PH factor =7.6,. Flash Point= Non-flammable, Color =clear at 78 degrees F. Volatility= no petroleum or lead, Fungus= anti-fungus, anti black mold, Bacteria=mildly resistant, Linear shrinkage=None, Corrosion=None, Preservative=excellent. These chemicals comply with U.S. Federal Regulations: Classified Ratings: Interior only.

RECOMMENDED FOR: CARPETS, DRAPES, CURTAINS, LEATHER, NAUGAHYDE BACKS, MATTRESS AND MATTRESS TICKING, AWNINGS, UPHOLSTERY, TEXTILES, WALL COVERINGS, CANVAS, COTTON, POLYESTER, BLENDS AND MANY OTHERS.

Classified Fire Rating: PASSED

FABRIC TEST: NFPA 701, NFPA 260, NFPA 265, New York City, ASTM E-162; CFR 1632.4, (FF 4-72); FAR 25.853 (A&B); California 1237.1, Cal Tech 117- F, NY-NJ Port Authority, Boston and Rhode Island.

