



123 Columbia Court North • Suite 201 • Chaska, MN 55318

952-448-7377 • FAX: 952-448-2613

Fire Retardant "HOT LINE" 1-800-913-9385

e-mail: info@fireretardants.com

Visit Our Web Site at www.fireretardantsinc.com

BURN BARRIER™ FPC Penetrating Treatment for Natural Fabric and Paper (CONCENTRATE)

Flame-retards draperies, curtains, mattresses, upholstery, carpets, clothing, etc., made of cotton, wool, silk, linen, canvas, burlap, rayon and other absorptive materials such as paper, cardboard, straw, sawdust, wood, thatch and wood chips require undiluted **BURN BARRIER™ FPC** concentrate. **BURN BARRIER™ FPC** is also tested to be effective on natural foliage & unfinished wood products. ASTM E-84 Class A 125/SF/gallon of concentrate.

BURN BARRIER™ FPC is not as effective on plastic or synthetic fibers as it is on natural fibers or blends. **BURN BARRIER™ FPC** will flame-retard all recommended items, but will not prevent charring. **BURN BARRIER™ FPC** is colorless, odorless and non-toxic, but is not recommended for ingestion. It will usually not affect the look, feel or ventilation qualities of any material treated. A test application on a small sample must be made prior to treatment if color, texture and appearance is critical. **BURN BARRIER™ FPC** will not normally lose effectiveness from age or from wearing off, but will lose effectiveness after rain if used outdoors. Materials treated may withstand dry cleaning, but not laundering, therefore, retreating periodically after each laundry cycle is necessary to insure maximum fire resistance at all times. **BURN BARRIER™ FPC** will usually not affect the shade or color fastness of textile, paper or dyes, normally not effected by water.

Testing for color-fastness should be done to confirm that the fabric will maintain it's color and beauty after it is treated.

ASTM-E84 Tunnell Test Results:

- Flame Spread – "0"
- Fuel Contribution – "0"
- Smoke Density – "40"

Complete Test Laboratory results and material safety data sheets (MSDS) are available upon request.

Above tests are equivalent to UL723, ANSI No. 2.5, NFPA No. 255 and UBC No. 42-1. Meets and Exceeds NFPA Test No. 701.

Meets most State and Federal requirements of Life Safety Code NFPA No. 101, Section 17-4151 for cubicle curtains and draperies in nursing homes, hospitals and institutional facilities.

DIRECTIONS:

BURN BARRIER™ FPC concentrate should be diluted with equal parts of water. Shake or stir well before using. **BURN BARRIER™ FPC** may be applied by spraying or dipping. When spraying, make sure that material is thoroughly soaked. When dipping, thoroughly soak material and then string out or allow to dry by hanging. Treated material may be ironed by using a very low setting, as used on synthetics. **BURN BARRIER™ FPC** may be applied in any room as it is virtually colorless, odorless and harmless, although adequate ventilation is recommended. One (1) gallon covers approximately 500 square feet of medium woven material.

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Notes:

FPC

1. BURN BARRIERTM FPC's effectiveness is contingent upon the ability of the treated materials to absorb BURN BARRIERTM FPC. Neither BURN BARRIERTM FPC nor any other product known can make items "Fire Proof". Fire retardants are designed to reduce or slow flammability and minimize smoke emission to meet certain test standards and building codes. Independent laboratory tests on many of our products indicate that after treatment with a fire retardant, the material to which it is applied is either self extinguishing after the flame source is removed, or does not ignite or support combustion or burns at a reduced rate within the test criteria, or many may char away to ash without ignition. Generally, the heavier BURN BARRIERTM FPC is applied, the more effective its fire resistance will be.
2. Fire Retardants are not returnable because it may not be possible to assure the contents and effectiveness of products after leaving the premises. If returns are allowed due to extenuating circumstances which are solely at the discretion of Fire Retardants Inc., a 50% restocking charge will apply to qualifying unopened packaging only.
3. Materials treated with BURN BARRIERTM FPC must be thoroughly dry to have maximum effectiveness.
4. BURN BARRIERTM FPC is not recommended for plastic fibers.
5. BURN BARRIERTM FPC is a water-based product. Do not use on items subject to damage or spotting by water. (Corrosive to metals)
6. BURN BARRIERTM FPC must be absorbed by material to be effective. Do not use on items which have "Scotch Guarded" or treated with water repellent.
7. BURN BARRIERTM FPC should be immediately wiped off such items as finished wood and metal. Do not store in metal container.
8. BURN BARRIERTM BURN BARRIERTM FPC should not be applied to the point of dripping. Once the fabric has absorbed all it can, additional chemicals will remain on top of fabric, resulting in a white residue on the surface.
9. Fabric must be dry and clean before applying BURN BARRIERTM FPC.
10. Treated fabrics, if exposed to extreme heat, will result in the chemicals reacting to prevent ignition and therefore may cause fabric to turn brown.
11. It is recommended that a "test sample" be made before treating an entire drape, curtain, etc. This will enable the user to determine the minimum amount of BURN BARRIERTM FPC needed to flame-retard item, fastness of dyes, water spotting of fabric, etc.
12. If fabric to be treated is thick, it is recommended that two (2) light coats of BURN BARRIERTM FPC be used instead of one (1) heavy coat, allowing fabric to dry between applications.
13. Do not use BURN BARRIERTM FPC on living foliage. (Christmas trees, plants wreaths, etc.)
14. BURN BARRIERTM FPC has many valuable uses, but it should not be used indiscriminately.
15. Information provided herein is based on tests believed to be reliable. Inasmuch as Fire Retardants Inc. has no control over the use or application to which others may put this material, Fire Retardants, Inc. makes **NO** guarantee or warranty and assumes no liability. Our products are sold on the condition that each user of the material's make their own evaluation to determine the material's suitability and flame retardatory for their own particular use and safety.



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MATERIAL SAFETY DATA SHEET (MSDS)

SECTION I

PRODUCT IDENTIFICATION

Product Name: BURN BARRIERTM FPC Fire Retardant DOT Proper Shipping Name: Compound, cleaning, liquid
Formula Type: Blended Liquid/Fire Retardant

SECTION II

HAZARDOUS INGREDIENTS -

Name	C.A.S. No.	%	Exposure Limit
Diammonium phosphate	7783-28-0		none established
Ammonium sulfamate	7773-06-0		none established

SECTION III

PHYSICAL DATA

Appearance/Odor:	clear/slight ammonia	Solubility in Water: complete	Evaporation Rate (butyl acetate= 1):	NA
Specific Gravity:	1.135-1.155	pH: 7.5-8.1	Vapor Pressure (mm HG):	NA
% Evaporation by Volume: 72		Boiling Point (F°): greater than 200	Vapor Density (air=1):	N

SECTION IV

FIRE AND EXPLOSION INFORMATION -

Flashpoint (F°) (Method Used): Not flammable.
Extinguishing media: _____ foam _____ CO₂ _____ dry chemical _____ water fog _____ other X not applicable
Special fire fighting procedures: Use procedures proper for the primary source of the fire. Unusual fire and explosion hazard: Containers may melt or rupture from the heat of a fire.

SECTION V

HEALTH HAZARD DATA - Primary Routes of Entry: Eyes, skin and ingestion

Signs and symptoms -
Eye Contact: Direct contact of product causes tearing, redness, or irritation.
Skin Contact: Prolonged direct contact of product may cause redness, dryness or irritation.
Inhalation: Not a problem under normal use conditions.
Ingestion: Nausea, gastric discomfort, mouth and throat irritation.
Medical conditions generally aggravated by exposure: Pre-existing skin conditions.

FIRST AID PROCEDURES -

Eye Contact: Immediately flush with cool running water for 15 minutes, while holding eyelids apart. If irritation develops, obtain medical aid.
Skin Contact: Immediately wash with cool water. Remove contaminated clothing and shoes. Wash before reusing. Obtain medical aid if irritation develops.
Inhalation: NA
Ingestion: Drink large quantities of water. Do not induce vomiting. Immediately obtain medical attention. If unconscious do not give anything to drink and do not induce vomiting. Obtain immediate medical aid.

SECTION VI

REACTIVITY DATA -

Stability:	Stable
Incompatibility (materials to avoid):	acids, oxidizable materials
Hazardous decomposition products:	may liberate ammonia fumes or oxides of sulfur and nitrogen.
Hazardous polymerization:	will not occur

SECTION VII

SPILL LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Wear protective equipment. Small spill: mop up and rinse area. Large spill: Dike with sand or dirt. Keep out of all streams, lakes, and storm sewers. Salvage usable product. Shovel remainder into containers for disposal. Waste disposal information: Comply with local, state, and federal regulations. Keep out of streams, lakes, and storm sewers.

SECTION VIII

SPECIAL PROTECTION INFORMATION -

Respiratory Protection:	Not normally required. If mist is generated, wear NIOSH respirator for dusts and mists.
Ventilation:	General or local.
Protective gloves:	Neoprene or nitrile.
Eye Protection:	Safety glasses or chemical safety glasses.
Other protective measures:	Rubber boots if there are spills

SECTION LX

SPECIAL PRECAUTIONS -

Handling and Storage:
Keep container closed when not in use. Keep out of reach of children. For industrial & institutional use only. Wash contaminated clothing before reuse. Keep from freezing.

SECTION X

TOXICITY DATA -

SECTION XI

HAZARD RATING - 0 = MINIMAL 1 = SLIGHT 2 = MODERATE 3 = SERIOUS 4 = SEVERE
Health: 1 Reactivity: 0 Fire: 0 Special: none

SECTION XII

REGULATORY INFORMATION -

SECTION XIII

DOCUMENTARY INFORMATION -

Date issued: 2/26/97 Supersedes: 1992 Reason for update: update
The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees.

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Protective gloves:	Neoprene or nitrile.
Eye Protection:	Safety glasses or chemical safety glasses.
Other protective measures:	Rubber boots if there are spills

SECTION IX

SPECIAL PRECAUTIONS -

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SECTION X

TOXICITY DATA -

SECTION XI

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