



Certified Applicators & Manufacturers of Flame Retardant Saturants & Coating



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SAFE-T-GUARD®

FLAME RETARDANT FOR FABRICS, PAPER and WOOD

[Material Safety Data Sheet - Safe-T-Guard](#)

Printable PDF's

[Product Data Sheet](#) [MSDS Safe-T-Guard](#)

Call for pricing - [Order Form \(PDF\)](#)

FABRIC PRODUCT DESCRIPTION: Safe-T-Guard is an interior flame retardant for most fibers. Also works on some cardboard, and paper. Safe-T-Guard is unique, as it is one product for most fibers. Not effective on 100% nylon, acetate or acrylic.

WOOD PRODUCT DESCRIPTION: Safe-T-Guard is an interior class B flame retardant saturant.

PH
661/295-3473 (Fire)

Toll free
800-380-8801

Fax
661/295-3880

28298 Constellation Rd.
Valencia, CA 91355

Shipping and
Receiving Hrs.:
8:30 A.M.-4:30 P.M.

Closed between **FABRIC PRODUCT DESCRIPTION:**

12:00 1:00 P.M. Safe-T-Guard is a non-hazardous, non-toxic interior flame retardant for most fibers including synthetics and metallic. Also works wonderful on cardboard and paper. If applied properly, this product will not leave a white flaky residue behind. In most cases, this product will not change the hand of the fabric, will not dis-color or shrink the fabric. No smell and easy to apply on or off-site. When choosing fibers to flame-retard, the most difficult fibers are acrylic, acetate and some nylons. Although pre-testing is recommended for all fibers, these fibers most definitely need to be pre-tested. Can be dried with heat up to 300°. May need up to a 24 hour cure time depending upon application process and substrate.

info@firetect.com

TECHNICAL DATA:

- ▶ Weight - 5-gallon pail is 50 lbs (ready to use), ph=6.5-7.
- ▶ Available in all quantities.
- ▶ Available in concentrate.
- ▶ May need up to 24 hrs. to cure depending upon fiber characteristics.
- ▶ Appearance - consistency and appearance of water.
- ▶ Store between 40° and 100°F. Shelf life, 10 years if unopened.
- ▶ Safe-T-Guard is water-soluble. It is recommended that all fabrics be dry-cleaned.
- ▶ Do not add water or change chemical composition in any way. Always make sure cap stays on container.
- ▶ Do not expose to heat above 300° f. after application.
- ▶ Certification requires application by a California State Certified Applicator to comply with requirements of the CA State Fire Marshal.

FABRIC

APPROVALS:

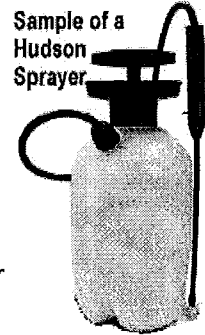
- | | |
|---|---|
| <ul style="list-style-type: none"> ▶ For Fabric: ▶ CAN/ULC-S109-03 Large-Flame Test ▶ California Chemical Approval #C-10002 ▶ NFPA 701, small and large scale; NFPA 701, Test No. 1, ▶ CA Title 117 ▶ CA Title 19, ▶ New York City Administrative Code §27-4266 and 3RCNY §19-01, Public Safety Section 1237, | <ul style="list-style-type: none"> ▶ For Wood: ▶ Meets ASTM E-84, UL 723, UBC No. 42y, NFPA 255, Class II flame spread rating, California Chemical Approval #C-10002, ICBO #3656, City of L.A. Approval No. 24303. ▶ British Standard 476:Part 7:1987 |
|---|---|

- ▶ FAA 25,853B, BFD IX-1, MVSS302, State of Massachusetts, Boston Fire Code,
- ▶ British Standard 5867: Part2:1987
- ▶ New York Port Authority, Has been approved by ICBO,
- ▶ City of L.A. TB-603, NFPA 285.

Toxicity reports available upon request.

TESTING PROCEDURES:

Safe-T-Guard Flame Retardant is ready to use. Applicator should wear chemical gloves, goggles and a respirator. Follow all fire safety precautions and test at your own risk. All items to be treated must be tested for verification of chemical amount, appearance, texture and performance results. Safe-T-Guard Flame Retardant will perform best if no other coating such as water repellent is on the surface. Cut two strips of specimen samples long enough for testing. Using a Hudson type orchard sprayer, apply at 40-60 PSI using a fan spray tip. Apply the chemical on one side of the first specimen and label. On the second specimen, apply the chemical on both sides and label. Let dry and cure for 3-72 hours, (average is 3-24 hours) and test. NFPA 705, Field Flame Testing Procedures are recommended for testing, although it does not guarantee acceptance by the fire authority. If results are not satisfactory, an additional light spray may be repeated or additional curing time may be required.



APPLICATION PROCEDURES:

User should determine the suitability of this flame retardant for its intended use. Safe-T-Guard is ready to use and must be applied cautiously. Applicator should wear chemical gloves, goggles and a respirator. Safe-T-Guard flame retardant will cover 200-800 square feet depending upon the fiber content of the item being treated. Using a Hudson type orchard sprayer, apply at 40-60 PSI using a fan spray tip, spray entire area and cover completely. Testing results will determine chemical amount and cure time. Certification requires application by a California State Certified Applicator to comply with requirements of the California State Fire Marshal.

Do not use an airless paint sprayer.



Users of this product must determine the suitability of this product for its intended use.

Application Instructions for Fabric

For Fabric: Safe-T-Guard is ready to use and must be applied cautiously. Applicator should wear chemical gloves, goggles and a respirator. Safe-T-Guard will cover 200-800 square feet depending upon the fiber content of the item being treated. Using a Hudson type orchard sprayer, apply at 40-60 PSI using a fan spray tip, spray entire area and cover completely. Testing results will determine chemical amount and cure time. Certification requires application by a California State Certified Applicator to comply with requirements of the California State Fire Marshal.

Please call for mill application questions.

Application Instructions Wood

WOOD PRODUCT DESCRIPTION:

Safe-T-Guard flame retardant is a non-hazardous, non-toxic, interior class B flame-retardant saturant for wood.

APPROVALS:

Meets ASTM E-84, UL 723, UBC No. 42y, NFPA 255, Class II flame spread rating, California

Chemical Approval #C-10002, ICBO #3656, City of L.A. Approval No. 24303.

APPLICATION PROCEDURES:

Before using, user should determine the suitability of this product for its intended use. Ready to use. Applicator should wear chemical gloves, goggles and respirator. All wood must be free from coatings such as paint, sealant or dirt. Coverage is 250 square feet per gallon. Using a hand Hudson type orchard sprayer, apply at 40-60 PSI using a fan spray tip, spray entire area and cover completely. The state of CA requires application by a CA Certified Applicator to obtain documented certification.

Application Instructions Cardboard and Paper

Due to various thickness of cardboard and paper, proper testing will determine application procedures.

GENERAL INFORMATION FOR FABRIC AND WOOD

CLEAN-UP:

Flush sprayer and tips with warm water and wash hands with soap and water.

CAUTION:

Keep out of reach of children. Do not ingest. Call physician if swallowed. Clean with soap and water all contacted areas. Flush eyes with chemical eye wash or flush eyes with cool water for at least 15 minutes. If irritation persists seek advice of a Physician.

WARRANTY AND DISCLAIMER:

Use only as directed. Sellers and Manufacturers 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 of or inability to use the product. The user assumes all risk and liability whatsoever in connection therewith. Any statement or recommendation not contained herein shall have no force or effect unless contained in an agreement signed by officers of seller and manufacturer. Deterioration of coatings applied to interior finishes can occur due to cleaning, atmospheric and other conditions. Fire Retardants shall possess the desired degree of permanency and shall be maintained so as to retain the effectiveness of the treatment under the service conditions encountered in actual use. Periodic testing should be performed to insure flame-retardancy effectiveness.

06/04

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TELEPHONE: (815) 634-8717 | EMAIL: support@natfire.com

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tomorrow's future

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PRODUCTS

Flamex PF Fire Retardant Spray
 (Interior Fabric, Wood, Paper, Cardboard, etc)

FS I-DS Fire Retardant Spray
 (Interior / Exterior Thatching, Fabric, Foam)

FS-II Fire Retardant Spray
 (Interior / Exterior Wood)

DC 315 Fire Blocking Paint
 (Interior Poly & Isocyanate Spray-on Foam)

DC 333 Fire Blocking Paint
 (Interior Wood, Drywall, Poly Foam)

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Flamex PF Fire Retardant Spray



DESCRIPTION:

Flamex PF is a post-treatment indoor fire retardant. This product dries clear. When used on porous wood such as Douglas Fir or Pine, it will provide a Class A or B rating. This product is also very effective on porous fabrics. Flamex PF penetrates wood and becomes part of its molecular structure. When the treated material is subjected to an open flame, the retardant will reduce the flames spread of wood and self-extinguish the flame of most fabrics if treated properly. Flamex PF is non-toxic and non-hazardous to the environment and simple to apply.

BASIC USES:

Flamex PF is used for interior applications such as: draperies, furniture, paper/straw, redwood, cedar, Douglas fir, etc. This product is used widely in restaurants, hotels, hospitals, homes and many other commercial and residential buildings.

ADVANTAGES:

Since Flamex PF penetrates and becomes part of the substrate, the life of the flame retardancy is indefinite as long as fabrics are not wet washed, however they may be dry cleaned up to 1 time without reapplication. Flamex PF has many uses and is our most universal fire retardant. Flamex PF will not deteriorate because it is not a coating instead it penetrates and becomes part of most materials. This product will not alter the structural integrity of the wood. Flamex PF is often chosen because it is non-toxic, dries clear, easy (spray, brush or roll) application. Once cured (24 hrs.) The treated material may be painted with a latex paint.

LIMITATIONS:

Cannot be used on acrylic fabrics, sunbrella and other non-porous materials. Do not dilute. Shake well before using. Storage Range: 110 degrees F. to 45 degrees F. Shelf Life: 3 years if kept in a cool storage. A strong compatibility test is recommended.

APPLICABLE STANDARDS:

Flamex PF has been tested to the following standards: ASTM E-84, NFPA 255, UL 723, NFPA 701

FABRIC APPLICATION:

Flamex PF can be applied as is by spraying or immersing. In order to be effective there must be a 10-12% (wet) increase in the weight of the fabric, if material is synthetic such as polyester, a heavier coat may be needed. Approx. coverage per gallon on fabric is 300 sq. ft. (400 - 500 sq. ft on sheer fabric). 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" X 12" piece of the treated material vertically and apply the flame to the lower portion for 10 seconds and remove the ignition source. The flame must go out within 2 seconds. (This test is similar to the small-scale NFPA 701 field test).

WOOD APPLICATION:

Apply to wood at the rate of 125 square feet per gallon to achieve a Class A or 200 square feet per

gallon to achieve a Class B rating. Use low pressure spraying equipment, brush or roll.

Flamex PF is used widely in schools, restaurants, nightclubs, high-rise hotels, apartments, nursing homes, theatres, etc.

[Download MSDS](#)

Container Size: 5 Gallon Pail

Gallon

Quart

Sample (1 oz)

[Email Friend](#)

Price: 180.00

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