

# THE BEST INSURANCE IS PREVENTION

## PAPER SAFE

Flame Safe PAPER SAFE provides excellent fire and smoke protection for paper products. The non-toxic, non-staining properties of Paper SAFE make it a natural fire protection for items such as:

- Medium
- Corrugated board
- \* Paper decorations
- Liner
- Paper

All it takes is a spark for your home to go up in flames. But now, you can protect your family, your home, and your investment - with Flame Safe PAPER SAFE.

Flammable materials in homes may be fire retarded without altering their appearance. It's revolutionary! PAPER SAFE actually creates a barrier to fire.



## PAPER SAFE HAS MET THE TESTS

Flame Safe's PAPER SAFE has been tested by Southwest Research Institute and has passed the ASTM E 162 (flame spread) and ASTM E 662 (smoke generation).

## THE FLAME SAFE ADVANTAGE

Flame Safe PAPER SAFE has many advantages for the user. Some of the most important are listed below:

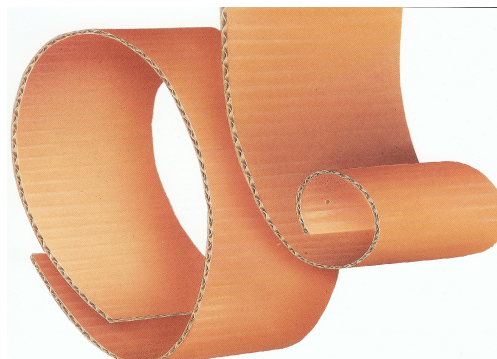
- \* Quick and easy application.
- \* Water based.
- \* Odorless.
- \* Colorless.
- \* Non-toxic.
- \* Non carcinogenic
- \* Contains no asbestos.
- \* Fungus inhibitor.
- \* Reduces smoke generation.
- \* Resistant to insects, rodents and certain molds.
- \* Will not harm plants or animals.

## QUICK AND EASY APPLICATION

Very little material preparation is required before using Flame Safe PAPER SAFE. Surfaces should be clean and dry.

PAPER SAFE should be applied in its undiluted state at the rate of one gallon per 300 - 500 square feet depending on the weight of the material being treated. Apply PAPER SAFE by brush, roller or a low pressure mist sprayer held 6"-8" from surface being treated. Test a sample of construction paper for color fastness. Treat the surface until damp. (Do not saturate, the chemical will easily penetrate.) Allow surface to dry before use.

Apply PAPER SAFE to both sides of paper where possible.



## PAPER SAFE TECHNICAL DATA (Interior)

**Product Description:** Aqueous Based Resin

### Product Analysis:

Total Solids	18%
Weight per gallon	9.40 lbs.
Specific gravity	1.100
PH	4.6 - 5.2
Flash point	Non-flammable
Color	Water clear at 78°F - slight haze @ 50°F and lower
Volatility	Non-volatile
Solvents	Water (contains no petroleum or derivatives of petroleum)
Bacterial	Mildly resistant
Anti-Fungus	Excellent resistance
Linear shrinkage	None
Moisture absorption	None
Corrosive	Negligible
Toxic	None
Insects, rodents, aspergilli and other types of molds	Excellent resistance
Termites	Excellent resistance
Not harmful to plants	

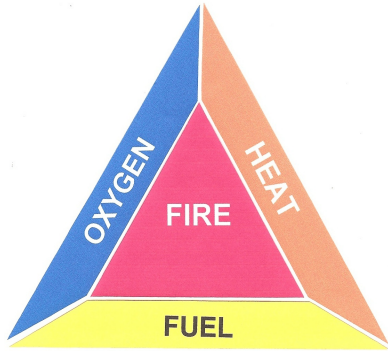
## ENVIRONMENTALLY SAFE

Since Flame Safe PAPER Safe is not an oil or solvent-based chemical, it is non-toxic as a liquid and remains that way -- even after application of heat.



## HOW FLAME SAFE WORKS

Three components are necessary for fire: fuel, oxygen, and a source of ignition. Although you need to eliminate only one of these three components to extinguish a fire, FLAME SAFE products produce outstanding results by eliminating two of these components.



The Fire Triangle

FLAME SAFE treated products automatically react with fire or heat to convert combustible gases and tars to non-combustible carbon char, nitrogen, and carbon dioxide. This chemical reaction substantially increases carbon char and creates an intumescent action, causing the surface to bubble-up and thereby creating a barrier between the fire and the treated material. The nitrogen produced as a by-product of the bubbling-up action displaces the oxygen, thus smothering the fire. The intumescent action separates the fuel from the source of ignition. This "double protection" is one reason only FLAME SAFE products are authorized to bear the FIREBUSTERS trademark.

FLAME SAFE treated materials produce significantly less smoke when exposed to fire. In many cases, smoke generation has been reduced by more than 50%, which is very important since smoke inhalation causes more deaths than fire.

## FIGHT THE DANGER OF FIRE IN YOUR HOME



SOME VALUABLES CANNOT BE REPLACED!

## UP IN FLAMES...OR

The logo for PAPER SAFE. The word "PAPER" is in large, bold, black capital letters. Above the letter "P" is a red flame icon. Below "PAPER" is the word "SAFE" in large, bold, white capital letters, set against a blue rectangular background.

FLAME SAFE CHEMICAL CORPORATION

2653 Warfield Avenue

Fort Worth, Texas 76106 U. S. A.

Phone: (817) 740-9197

fAX: (817) 740-9199

website: [www.flame-safe.com](http://www.flame-safe.com)

## PAPER SAFE

The logo for FLAME SAFE. The word "FLAME" is in large, bold, black capital letters. Above the letter "A" is a red flame icon. Below "FLAME" is the word "SAFE" in large, bold, white capital letters, set against a blue rectangular background.

## THE MOST EFFECTIVE FIRE RETARDANTS AVAILABLE