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SafeCoat FR31S Fire Retardant for Straw and other Cellulosic Materials

PRODUCT DESCRIPTION

This product is highly effective, economical and environmentally friendly fire retardant treatment for straw and other cellulosic materials such as hay, cardboard, and paper. **SafeCoat FR31S Fire Retardant Treatment** can be applied by spraying, padding or immersion, or it can be incorporated directly into a product. The method of application depends on the type and structure of material and structure to be protected.

FEATURES

- is an aqueous solution of inorganic salts. It is colorless and has a slight odor of ammonia in solution but is odorless when dry.
- is chemically neutral or slightly alkaline with a pH of 7.0 to 8.0. Its primary role is to act as a flame retardant.
- does not substantially affect the appearance or feel of the material if properly applied.
- is approved in ready to use, liquid form.

TECHNICAL DATA and PROPERTIES

Appearance/Odor	Colorless free flowing liquid/slight ammonia odor
Specific Gravity	8.65 lbs/USG or 1.04 g/mL
% Volatiles/Vol	80%
Solids by Weight	20%
Solids by Volume	Not available
pH	7.0-8.0
Dry Time	Dependent upon material type
Boiling Point	Not available
Storage Limits	Store in a cool dry location away from direct sunlight. Keep from freezing, above 32° F (0°C)
Packaging	Available in one quart, one US Gallon and five US Gallon quantities

Note: SafeCoat FR31S Fire Retardant Treatment is an aqueous solution of inorganic salts, chemically neutral or slightly alkaline with a pH value of 7.0-8.0. It has very low toxicology, but should be kept out of the reach of children. Read MSDS for detailed precautions.

INSTRUCTIONS FOR USE

Typical Application

- **SafeCoat FR31S Fire Retardant Treatment** can be applied by spraying, coating or immersing a product.
- do not dilute or mix with other products.
- distribute solution evenly, ensuring that solution does not flow or drip to the extremes whenever possible.
- to spray **SafeCoat FR31S Fire Retardant**, use a hand held or back pack pressurized spray container with an atomizer nozzle. Filter the solution into the tank to keep out any solids that may plug the nozzle. With daily use, the sprayer must be flushed out with clean warm water.

Coverage rate:

The required quantity depends on the absorbency of the material, its inherent flammability and its overall weight. As a rough guide:

Application to Straw, Paper and Other Cellulose-based Products

Hay or Straw Bales for Display: Approximately 1 quart of **SafeCoat FR31S Fire Retardant Treatment** per bale is required for good penetration. Spray on with an atomizer nozzle.

Cardboard: Corrugated cardboard is best treated with a fine atomized spray on both sides. Do not soak material in any one spot for too long a period, since this will warp the cardboard and make it lose its shape.

Paper and Decorative Materials: Thorough saturation of paper with a spray will work. For best results, hang paper during spraying. Total immersion can be used but a test sample is advised.

Hazard Class

SafeCoat FR31S Fire Retardant Treatment is not subject to WHMIS Regulations, nor is it regulated by Transportation of Dangerous Goods.

GUARANTEE/WARRANTY

Recommendations for the use of our products are based on tests carried out at government approved labs. Manufacturer and seller are not responsible for results where the product is used under conditions beyond our control. Under no circumstances will Magna Coatings Technology Inc be liable for consequential damages to anyone in excess of the purchase price of the product or services.