

FLAME RETARDANT

Flame Retardant is a blend of phosphates and bromides, which inhibits the rapid spread of fire on coated surfaces. The object is to reduce the possibility of a small fire or flame spreading and becoming a conflagration.

Flame Retardant works on the basis that when treated surfaces are confronted by heat a type of chemical glue is formed which holds the molecules of the substance tighter together thereby retarding fire. A heat shield is formed dispersing the heat away from the substance.

PRODUCT ANALYSIS

COVERAGE	9.5 – 11 sq m (100-120 sq. ft.) per litre
WEIGHT PER LITRE	1 Kg as liquid
TOTAL SOLID	18.5% after drying
pH CONTENT	5.8 - 5.9
VISCOSITY	38 .4 bus at 1000F (37.7°C) (similar to water)
SOLVENTS	Water contains no petroleum derivatives
VOLATIBILITY	Non volatile
FLASH POINT	Non flammable
COLOUR	Clear
ANTIFUNGUS	Good Resistance
BACTERIAL RESISTANCE	Good Resistance
LONG TERM DETERIORATION	(to applied materials) None
LINEAR SHRINKAGE	None
MOISTURE ABSORPTION	Slightly hygroscopic when dry at low temp.
TOXICITY	None
CARCINOGENIC ACTIVITY	Incorporated chemicals have none

FLAME RETARDANT is a colourless, odourless, non-toxic, non-corrosive liquid that you simply spray onto all types of material (natural or synthetic) or even untreated wood. After drying, it can't be seen or felt. Treated materials just won't support a flame. Even if a fire started in an untreated area, on reaching the treated area it would simply go out.

SO EFFECTIVE that even when the intense heat of a blowtorch was directed at a treated tissue paper, held in the palm of a hand, the tissue only charred. It did not ignite. Also, the hand holding it was not burned as the chemical, in the presence of heat, forms a carbonized shield, deflecting heat away from the treated area.

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SO VERSATILE, this is the only flame retardant you will need to treat natural and synthetic materials, carpets, hessian, foam rubber, dry flowers, untreated timber, in fact almost anything that can absorb the chemical can be treated.

NB. New materials and blends are frequently being introduced so ALWAYS PRE-TEST A SAMPLE BEFORE TREATMENT.

TREATMENT LASTS for the useful life of the material treated. Unaffected by years of walking (on carpets) or sitting (on furniture) or wearing (of clothes) and will withstand multiple chemical dry cleansings.

N.B. Being a water based chemical, flooding or continuous water based washings or cleaning can impair the treatment. In such cases a further treatment would be necessary.

JUST ONE LITRE covers between 100 - 120 square feet.

METHOD OF USE:

Use neat. Application is by spray. Allow treated surfaces to dry.

SAFETY PRECAUTIONS

Flame check flame retardant is non toxic and virtually harmless, however contact with eyes or skin may cause irritation. Wash off skin or irrigate eyes in such cases. Wear appropriate protective clothing. When spraying as a mist, wear a respirator. For more detailed health and safety information request a hazard data sheet.

PACKAGING 12 x 1 litre & 25 litre drums.

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