



FIRE RETARDANT

# WS CONCENTRATE

## PRODUCT DATA SHEET

WS is an application-ready, water-based fire retardant designed for the treatment of raw wood. It is a mix of proprietary ingredients that forms a slight intumescent foam layer and carbon char when the treated wood is exposed to fire. Once the carbon char is formed, there will be minimal flame propagation, smoke evolution, or afterglow. The product is designed for interior applications and may be used on exterior applications with a approved top coat.

### APPLICATION

WS can be applied via spray, brush, dipping, or roll/curtain coater. The product must penetrate the wood and be allowed to thoroughly dry to be effective. The coverage rate is 150 to 350 ft<sup>2</sup> per gallon. WS's Class A rating was achieved on Douglas Fir. Other wood of a similar or lesser inherent fire spread rating, and penetrability, when properly treated, should meet Class A requirements.

Excess product should be removed before drying.

It is recommended that a small sample of the wood be tested for uptake and penetration prior to application. For use with a dip chamber or any machine application, the excess material should be removed before drying.

This product may be used on most types of wood as long as penetration occurs. The product may be stained with a compatible stain or top coat after treatment. However, many stains and top coats are flammable and can adversely affect the flammability of the treated substrate.

### STORAGE CONDITIONS

- Temp: 40 - 90 °F
- **One year shelf life from manufacture date.**

### PACKAGING & HANDLING

WS is a liquid available in various packaging sizes, from a 1-gallon pail to bulk containers.

Refer to SDS for proper handling.

### WARRANTIES

Products are guaranteed to perform their fire retardant function as represented by third-party tests if applied according to the manufacturer's published instructions.

\*There are no other warranties either expressed or implied since WS Products cannot control the actual application of the products. Users must determine usability and suitability for their particular requirements, as well as compatibility with the exact materials to be treated or coated.

### TYPICAL ANALYSIS

Total Solids **31 - 34%**

Weight per Gallon **9.9 - 10.2 lbs**

Specific Gravity **1.19 - 1.23**

ph **5.5 - 6.5**

VOC's **<1% (<11 g/L)**

Product contains no PBDE's (Polybrominated Diphenyl Ethers) or petroleum derivatives.

Product contains a small amount of Isopropanol Alcohol (rubbing alcohol).



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