



## FLAME GUARDIAN® SERIES FG-200 FLAME RETARDANT

<b>Description</b>	FG-200 flame retardant is a high purity food-grade water-soluble non-halogen flame retardant comprised of a synergistic blend of phosphor and nitrogen.	
<b>Applications</b>	FG-200 flame retardant provides a cost effective solution to flame retardant formulations in a wide variety of natural fiber applications. FG-200 is effective when applied to textiles, cardboards, paper, and other cellulosic applications.	
<b>Benefits and Features</b>	FG-200 flame retardant is a prime candidate for most non-polymer applications due to its overall performance and cost effectiveness. Due to its high phosphor content, FG-200 is highly effective in achieving desired levels of flame resistance with low additive levels.	
<b>Typical Properties</b>	Appearance PH Thermal Decomposition after dry:	Clear Liquid 6.4 – 6.8 160 C
<b>Usage Level</b>	Add-on level of FG-200 flame retardant varies from 6% to 20% finished dry add-on weight.  FG-200 flame retardant may be applied by pad, spray, or brush. A wetting agent may be added to improve penetration. Dry at temperature of 100C or lower.	
<b>Flammability Testing</b>	NFPA 701, CA 1237.1, ASTM E-84, TB-117, NFPA 260, FDNY R805	
<b>Shipping Information</b>	Non-hazardous material per DOT  Available in 1-gallon containers, 55 gallon drums or 5 gallon pails	
<b>Responsible Care</b>	Turning Star, Inc. is committed to the safety and well-being of our customers, employees and the community. Refer to the material safety data sheet for specific safety, handling, and toxicity information.	

The information presented herein is believed to be accurate and reliable, but is presented without guarantee or responsibility on the part of Turning Star, Inc. It is the responsibility of the users to comply with all applicable laws and regulations and to provide for a safe workplace. The user should consider any health or safety hazards information contained herein only as a guide, and should take those precautions which are necessary or prudent to instruct employees and to develop work practice procedures in order to promote a safe work environment. Further, nothing contained herein shall be taken as an inducement or recommendation to manufacture or use any of the herein materials or processes in violation of existing or future patents.

FIRE RETARDANT PRODUCTS • MANUFACTURING • APPLICATION

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