



## FLAME GUARDIAN® SERIES FG-220 FLAME RETARDANT

<b>Description</b>	FG-220 flame retardant is a high purity water-soluble non-halogen flame retardant comprised of a synergistic blend of phosphor and nitrogen.	
<b>Applications</b>	FG-220 flame retardant provides a highly effective solution to treating cotton and other natural fiber textiles.	
<b>Benefits and Features</b>	FG-220 flame retardant is specially formulated to provide superb fire resistance on polyesters, rayons, poly/cotton blends, and a number of other synthetics with very low add-on. Flow, drape and texture of the untreated material remains after treatment.  FG-220 is halogen free and increases LEEDS compliance.	
<b>Typical Properties</b>	Appearance PH Thermal Decomposition after dry	Clear Liquid 6.4 – 6.8 155 C
<b>Usage Level</b>	Add-on level of FG-220 flame retardant varies depending on the structure and weight of the material. Application may vary from 7% to 20% finished dry add-on weight.  FG-220 flame retardant may be applied to the material or textile by pad, spray, or brush. 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 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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