



FLAMEXX[®] SERIES

MMS-4 FLAME RETARDANT

Trade Names	MMS-4, MMS4	
Description	MMS-4 flame retardant is a high purity water-soluble flame retardant.	
Applications	MMS-4 flame retardant provides a highly effective solution to treating lightweight textiles such as silks polyester sheer fabrics.	
Benefits and Features	MMS-4 flame retardant is an excellent choice for many applications including silk due to its high performance and maintaining the hand of the fabric. MMS-4 is highly effective at low add-on levels, typically 8% to 15%.	
Typical Properties	Appearance PH Thermal Decomposition after dry	Pale Straw Liquid 6.9 – 7.3 160 C
Usage Level	Add-on level of MMS-4 flame retardant varies depending on the structure and weight of the material. Application may vary from 7% to 20% finished dry add-on weight. MMS-4 flame retardant may be applied to the material or textile by pad, spray, or brush. A wetting agent may be added to improve penetrations. Dry at temperature of 100C or lower.	
Flammability Testing	NFPA 701, CA 1237.1, ASTM E-84, TB-117, NFPA 260, FDNY R805	
Registrations/Approvals	CAL #C-024501	
Shipping Information	Non-hazardous material per DOT Available in 1-gallon containers, 55 gallon drums or 5 gallon pails	
Responsible Care	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.