



# MapleSolutions

3019 Lake Road, Dollard Des Ormeaux, QC, H9B 2R3 Canada - Tel : 1 (514) 472 0094 [www.maplechemicals.com](http://www.maplechemicals.com)

## **TECHNICAL BULLETIN**

### **STATEMENT OF USE**

**MA-STAT AF** is a non-permanent antistatic agent especially designed for synthetic fibers and their blends. **MA-STAT AF** is also effective in warp size formulations.

### **TYPICAL PROPERTIES**

Chemical Composition	Phosphoric acid ester
Ionic Nature	Slightly anionic
pH (Neat)	6.0 ± 0.5
Solubility	Soluble in water (may become hazy at >10% product in water)
Density, lb/gal	Approx. 9.0
Stability	Good resistance to hard water (up to 40° dH), salt, acid and alkali in usual concentrations.
Storage Stability	If the product freezes, warm to room temperature and stir.

### **ADVANTAGES**

- Excellent antistatic properties
- Does not adversely effect the hand
- Does not adversely effect crockfastness
- Does not adversely effect the hydrostatic resistance of medical fabrics
- Low foaming

### **APPLICATION**

In a batch operation, **MA-STAT AF** may be applied at a level of 2 - 4 grams/Liter at a temperature of 104° F (40° C) for 20 minutes. In a continuous process, **MA-STAT AF** may be pad-applied at a level of 10 - 20 grams/Liter.

In a spraying process, **MA-STAT AF** is diluted with water at a ratio of at least 1 : 3. Spraying should be performed to apply 0.2 - 0.4% o.w.g. (on-the-weight-of-the-goods) **MA-STAT AF** to the fiber.

### **PACKAGING**

Available in returnable drums.

### **PHYSIOLOGICAL DATA**

For Industrial Use Only: The usual precautions in keeping chemicals from the eyes and skin and avoiding ingestion and prolonged inhalation of vapors should be observed.



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While every care has been taken to ensure the accuracy of the information contained in this publication, no warranty or liability will be accepted as the conditions of usage are beyond our control. Product specifications can be provided upon request.

Our Technical Sales Department is available to assist customers in preparing formulae and procedures to suit their specific requirements. Production trials are recommended to determine effectiveness. Process information submitted by our customers will be treated in confidence.