



MapleSolutions

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TECHNICAL BULLETIN

STATEMENT OF USE

MA-DEFOAM SB is a highly effective, new generation, silicone-based defoamer and antifoam. It is highly dispersable and stable, long lasting, with excellent foam killing properties. **MA-DEFOAM SB** is also suitable for critical operations such as pigment pad dye systems and other continuous dyeing that utilizes vacuum slot extraction equipment.

TYPICAL PROPERTIES

Chemical Composition	Poly-siloxane
Appearance	Milky white
Ionic Nature	Nonionic
pH (Neat)	7-9
Solubility	Disperses easily in water in all proportions
Density, lb/gal	Approx. 8.3
Compatibility	Compatible with typical preparation, dyeing, pad dyeing and finishing auxiliaries
Stabilities	Stable to weak acids and electrolytes. Stable to alkali up to pH 12

ADVANTAGES

- Excellent emulsion stability and dispersability. The product is free rinsing from the fabric and will not build up on machinery or pad box walls
- Effective in all types of preparation, dyeing and finishing operations
- Stable to high temperatures
- Stable to 200 g/l Glauber's Salt at 90° C, even under shear
- In jet dyeing, performs efficiently throughout the entire cycle (even during cool down and depressurization)
- Does not contain SARA Section 313 chemicals at reportable levels
- Stable in continuous pigment dyeing systems utilizing vacuum slot extraction **APPLICATION**

Batch Processing

- Typical levels are 0.25 - 0.50 g/l of **MA-DEFOAM SB** in batch operations such as jet, package or beam dyeing equipment.

Continuous Processing

- In a continuous process such as pigment pad dyeing, typical usage levels are 1-3g/l (0.1-0.3% o.w.b.)

Product handling

- The product should be pre-diluted with 10-20 times its weight of water, stirred, then added to the machine or mixing tank after the addition of surfactant and prior to other chemicals or dyestuffs. (High speed mixers are not necessary nor are they recommended with any defoamer.)
- When properly diluted, the product can be added as needed during the process.
- As with all chemicals, specific compatibilities should be checked in the lab prior to production use.

STORAGE

If freezing occurs, allow thawing, then mix to ensure uniformity.

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.

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.



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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.