

Formulation Additives

Technical Data Sheet

FoamStar[®] ST 2438 (old: FoamStar[®] A38)



Product Description

FoamStar[®] ST 2438 is a 100% active defoamer compound combining a hyper-branched Star polymer with high-end organo-silicones to deliver fast foam knock down with very high efficiency.

FoamStar[®] ST series represents a novel series of defoamers based on new defoamer chemistry. It is the first new defoamer chemistry in over 30 years. FoamStar[®] ST series of defoamers is effective in high gloss paints and coatings based on acrylic, styrene acrylic and vinyl acrylic latex.

Chemical Composition

Defoamer on the basis of organo-modified polysiloxanes and hyper-branched Star polymer.

Properties

Product Specifications

Density	0.95 g/cm ³
Viscosity at 25 °C	109 – 169 mPa s
Wt/gal at 25 °C	7.9 – 8.2 lbs

Typical Characteristics

Appearance	colorless to yellowish liquid
Color number (Hazen)	< 200
Solubility (10% in water)	non-dispersible
Active matter	100%

These typical values should not be interpreted as specifications.

Applications

FoamStar[®] ST 2438 has the following advantages:

- Does not reduce gloss of high gloss paints and coatings
- Effective in difficult to defoam high gloss formulations.
- Fast bubble-break versus conventional defoamers
- Effective against Microfoam
- Does not separate or settle
- Easy-to-incorporate
- Very good persistence
- Effective in deep and clear/neutral bases

Dosage

FoamStar[®] ST 2438 can be used at levels of 0.25 % to 0.50 % based on total weight of paint depending on the individual paint formulation. FoamStar[®] addition may be equally divided between the grind and let-down stages. Its effectiveness is the same in the grind and the let-down.

Safety

General

The usual safety precautions when handling chemicals must be observed. These include the measures described in Federal, State, and Local health and safety regulations, thorough ventilation of the workplace, good skin care, and wearing of protective goggles.

Material Safety Data Sheet

All safety information is provided in the Material Safety Data Sheet for FoamStar® ST 2438.

Storage

FoamStar® ST 2438 is subject to appropriate storage under the usual storage and temperature conditions, our products are durable for at least 9 months. FoamStar® ST 2438 is shipped in 55 gallon (200 liter) steel drums (400 lbs.) and plastic totes (1900 lbs.) and 5-gal pails (40 lbs.). If subjected to below freezing temperatures, product may congeal or stratify. Warm to room temperature and mix well before using.

FoamStar® ST 2438 is classified as: Defoaming Compounds NOI.

Important

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