Formulation Additives

Technical Data Sheet

FoamStar® ST 2439
(old: FoamStar® A39)

BASF
The Chemical Company

Product Description

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. FoamStar® ST 2439 is also effective in alkyd emulsions.

Chemical Composition

Molecule compounded in an enhanced mineral-oil system

Properties

Product Specifications

Density	8.23 lbs/gal
Viscosity at 25 ˚C (N114)	150 – 210 cps
Wt/gal at 25 ˚C (T013)	7.93 – 8.53 lbs

Typical Characteristics

Appearance	light yellow, clear liquid
Color, APHA	200 max
Solubility (10% in water)	non-dispersible
Active matter	100%

These typical values should not be interpreted as specifications.

Applications

FoamStar® ST 2439 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
- Very good persistence

FoamStar® ST 2439 is a defoaming molecule that defoams by a unique mechanism. Unlike conventional defoamers (mineral oil and silicone types), FoamStar® ST 2439 defoams on a molecular level. It also has wetting properties not found in other conventional defoamers. FoamStar® ST 2439 utilizes the FoamStar® ST 2439 molecule compounded with polysiloxanes in a mineral oil-free system. FoamStar® ST 2439 is now the most powerful FoamStar® ST series defoamer and is very effective in defoaming high gloss paints based on acrylic and styrene acrylic latices.

Dosage

FoamStar® ST 2439 can be used at levels of 0.25 % to 0.50 % based on total weight of paint depending on the individual paint formulation. FoamStar® ST 2439 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 2439.

Storage

FoamStar® ST 2439 is Subject to appropriate storage under the usual storage and temperature conditions, our products are durable for at least 1 year. FoamStar® ST 2439 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 2439 is classified as: Defoaming Compounds NOI.

Important

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