

Formulation Additives

Technical Data Sheet

FoamStar[®] ST 2446 (old: FoamStar[®] A46)



Product Description

FoamStar[®] ST 2446 is based on a patented hyper-branched Star polymer compounded with high-end organo-silicone polymers. It is one of our best defoamers for zero to 50 g/l VOC, medium to low PVC premium paints. FoamStar[®] ST 2446 is a product of choice when other defoamers do not work. It allows for very good film appearance properties despite its very high efficiency.

Chemical Composition

Hyper-branched polymer with organo modified silicones

Properties

Product Specifications

Appearance	hazy, light yellow liquid
Moisture	0.5 % max
Dispersibility (10 % in water)	dispersible

Typical Characteristics

Viscosity (Brookfield LV)	350 – 550 cps
Density	8.3 lbs/gal
Active substance	100 %
Nonvolatile content	98 %
Color (Gardner)	6

These typical values should not be interpreted as specifications.

Applications

FoamStar[®] ST 2446 has the following advantages:

Performance Highlights

- 30 – 50 % less dosage; very fast bubble break
- Excellent for zero to 50 g/l premium paints
- Good dispersability → Excellent film appearance
- Works in highly tinted paints and against microfoam
- High persistency and works in high gloss paints

Environmental Aspects

- Low VOC – according to US-EPA 24 (2 %)
- Efficiency is better than conventional control defoamer

FoamStar[®] ST 2446 is primarily designed to be a letdown defoamer, but it may be added to the grind. If used in the grind, it is recommended to add approximately ¼ - ½ of the amount to the grind, and the remaining amount to the letdown.

Recommended dosage

On total formula weight, use 0.15 – 1.0% of FoamStar[®] ST 2446.

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 2446.

Storage

FoamStar® ST 2446 is shipped in 55 gallon (200 liter) steel drums and plastic tote tanks. Mixing FoamStar® ST 2446 prior to using is recommended. If subjected to below freezing temperatures, product may congeal or stratify. Warm to room temperature and mix well before using.

Important

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