

# FoamStar<sup>®</sup> ST 2446

## 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 nature

Hyper-branched polymer with organo-modified silicones

## Properties

### Physical form

Hazy, light Yellow liquid

### Technical data (not supply specification)

Active substance	%	100
Dispersibility (10% in H <sub>2</sub> O)		dispersible
Viscosity (Brookfield LV)	cps	~ 350 - 550
Density	lbs/gal	~ 8.3
Color (Gardner)		~ 9

## 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.

### Formulation guideline

On total formula weight, use 0.15 – 1.0% of 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.

**Contacts worldwide**

Asia  
BASF East Asia Regional Headquarters Ltd  
45/F, Jardine House  
No. 1 Connaught Place  
Central Hong Kong  
China  
[formulation-additives-asia@basf.com](mailto:formulation-additives-asia@basf.com)

Europe  
BASF SE  
Formulation Additives  
67056 Ludwigshafen  
Germany  
[formulation-additives-europe@basf.com](mailto:formulation-additives-europe@basf.com)

North America  
BASF Corporation  
11501 Steele Creek Road  
Charlotte, NC 28273  
USA  
[formulation-additives-nafta@basf.com](mailto:formulation-additives-nafta@basf.com)

South America  
BASF S.A  
Rochaverá - Crystal Tower  
Av. das Nações Unidas, 14.171  
Morumbi - São Paulo-SP  
Brazil  
[formulation-additives-south-america@basf.com](mailto:formulation-additives-south-america@basf.com)

**Validity**

This Technical Data Sheet is valid for all versions of the 0BFoamStar ST 2446.

**Safety**

When handling this product, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

**Note**

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.

® = Registered trademark

™ = Trademark of the BASF Group, unless otherwise noted

[www.basf.com/formulation-additives](http://www.basf.com/formulation-additives)