

# FoamStar<sup>®</sup> ST 2445

**Product description** FoamStar ST 2445 represents a novel series of defoamers based on new defoamer chemistry. It is the first new defoamer chemistry in over 30 years. FoamStar ST 2445 defoamer is effective in high gloss paints and coatings based on acrylic, styrene acrylic and vinyl acrylic latex.

**Chemical nature** Hyperbranched polymer with organo-modified silicones

## Properties

**Physical form** Yellow liquid

Technical data (not supply specification)	Active substance	%	100
	Dispersibility (10% in H <sub>2</sub> O)		dispersible
	Viscosity (at 25°C)	cps	~ 600 - 800
	Density	lbs/gal	~ 8.2 – 8.8
	Color, Gardner	cps	~ 9

## Applications

FoamStar ST 2445 has the following advantages:

- Effective in difficult to defoam high gloss formulations.
- Effective in low to 0 voc coatings
- Fast bubble-break versus conventional defoamers
- Effective against Microfoam
- Very good persistence

FoamStar ST 2445 is a defoaming molecule that defoams by a unique mechanism. Unlike conventional defoamers (mineral oil and silicone types), FoamStar ST 2445 defoams on a molecular level. It also has wetting properties not found in other conventional defoamers. FoamStar ST 2445 utilizes the FoamStar molecule compounded with polysiloxanes in a mineral oil-free system. FoamStar ST 2445 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.

**Formulation guideline** FoamStar ST 2445 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 2445 addition may be equally divided between the grind and let-down stages. Its effectiveness is the same in the grind and the let-down.

## Storage

FoamStar ST 2445 is subject to appropriate storage under the usual storage and temperature conditions, our products are durable for at least 1 year. FoamStar ST 2445 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 2445 is classified as: Defoaming Compounds NOI.

**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 OBFoamStar ST 2445.

**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.

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