

## FoamStar® A 45

**Revision-No.:**

2-02.2006 Effective February 17, 2006

**Use**

The FoamStar® A series represents a novel series of defoamers based on new defoamer chemistry developed and patented by Cognis. It is the first new defoamer chemistry in over 30 years. The Foamstar® A series of defoamers is effective in high gloss paints and coatings based on acrylic, styrene acrylic and vinyl acrylic latex.

**Specification**

Viscosity, 25° C N114	600 - 800 cps
Density (lb/gal), 25° C T013	8.17 - 8.77

**Additional data**

Appearance	yellow liquid
Dispersity (10% in Water)	dispersible
Density (lb/gal)	8.47
Viscosity	660 cps
Activity	100 %
Color, Gardener	9 max.

**Properties**

FoamStar® is a defoaming molecule that defoams by a unique mechanism. Unlike conventional defoamers (mineral oil and silicone types), FoamStar® defoams on a molecular level. It also has wetting properties not found in other conventional defoamers. FoamStar® A-45 utilizes the FoamStar® Molecule compounded with polysiloxanes in a mineral oil-free system.

**FoamStar® advantages are:**

- Does not reduce the gloss of paints and coatings
- Effective in very difficult-to-defoam gloss formulations
- Fast bubble-break versus conventional defoamers
- Effective against Microfoam
- Does not separate or settle
- Very good persistence

## **Application**

### **How to Use:**

Use 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.

## **Miscellaneous**

### **PACKAGING, STORAGE AND HANDLING**

Defoamer is shipped in 55 gallon (200 liter) steel drums (400 lbs.) 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.

### **Freight Classification**

**USA:** Classification : Defoaming Compounds NOI

Suggestions of processing and using our products are given with best knowledge and information but without obligation. COGNIS does not accept any guarantee to the suitability of a product for the user's specific purpose. Furtheron the user himself assumes a liability to follow all legal regulations by using our products. The user can only pass on our sample to third parties with previous assent of COGNIS.

root\18 - Polymers Coatings & Inks\00 - Internet\03;root - by Product Name;root\18 - Polymers Coatings & Inks\00 - Internet\05 - by Product Group\07 - Defoamers\01;root - A  
Polymers Coatings & Inks\00 - Internet\05 - by Product Group\07 - Defoamers\07;root - Silicone Based;root\18 - Polymers Coatings & Inks\00 - Internet\05 - by Product Group  
Mineral Oil Free

created on 08/30/2005 by Gabriele Goerlitz-Guillemin, last modified on 03/20/2006 by Gabriele Goerlitz-Guillemin