

Formulation Additives

Technical Data Sheet

FoamStar® SI 2292 NC (old: Dehydran® 1293)



Product Description

FoamStar® SI 2292 NC is a defoamer and deaerating agent for use in purely aqueous coatings and those coatings containing co solvents based on polymer emulsions and applied by curtain coating, spraying, dipping, rolling or brushing on wood, wood products or metal.

Chemical Composition

Solution of a special modified polydimethyl siloxane.

Properties

Product Specifications

Density at 20 °C (ISO 2811-3)	0.89 - 0.93 g/cm ³
Viscosity at 20 °C (ISO 2555)	5 - 15 mPa·s
Solid content (2 h/105 °C, without air circulation) (ISO 1625)	8 - 10 %

Typical Characteristics

Appearance (Q-A 1000.0)	clear, colorless to light-yellow liquid
Ionic character	non-ionic
Flash point (DIN 51755)	63 °C

These typical values should not be interpreted as specifications.

Applications

Due to its long-term defoaming effect FoamStar® SI 2292 NC has proved to be suitable in emulsion and suspension polymerization, particularly in the manufacture of PVC, vinyl acetate and acrylic emulsions. FoamStar® SI 2292 NC may be used during polymerization and monomer stripping.

- Emulsion paints based on pure acrylates and acrylic copolymers.
- Wood coatings based on acrylates and PU-emulsions.

Dosage

The optimum dosage depends on the individual formula and should be determined by appropriate tests, but it is generally in the region of 0.5 - 3.0%, calculated on the total batch. To ensure maximum performance FoamStar® SI 2292 should be added to the batch as the last ingredient by stirring intensively. In the manufacture of paints, part of the total defoamer quantity may be added to the mill base or to the premix.

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® SI 2292.

Storage

FoamStar® SI 2292 is Subject to appropriate storage under the usual storage and temperature conditions, our products are durable for at least 2 years. If stored in tightly closed containers at temperatures below 40 °C, FoamStar® SI 2292 is durable for at least 2 years.

Important

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