

Formulation Additives

Technical Data Sheet

FoamStar[®] ST 2420 (old: FoamStar[®] EF 20)



Product Description FoamStar[®] ST 2420 represents the latest innovation in hyper branched polymer defoamer technology delivered in an essentially emission-free hydrocarbon matrix. It is amongst the most efficient defoamers requiring up to 50% less dosage to achieve the performance of benchmark mineral oil defoamers.

Chemical Composition Hyper-branched polymer delivered in an essentially emission-free hydrocarbon matrix

Properties

Product Specifications	Density	7.2 lbs/gal
	Moisture	0.5 % max
	Viscosity (Brookfield LV)	750 - 1750 cps

Typical Characteristics	Appearance	opaque, off white liquid
	Dispersability (10 % in water)	non-dispersible
	Active substance	100 %

These typical values should not be interpreted as specifications.

Applications

FoamStar[®] ST 2420 has the following advantages:

Performance Highlights

- High efficiency – 30 – 50 % less dosage
- Defoamers of choice for ≤ 100 g/l premium paints
- Very fast bubble break times
- Effective against microfoam
- Very high persistency

Environmental Aspects

- Low VOC – according to US-EPA 24 (~0.3 %)
- 30 – 50 % less dosage => even lower VOC contribution
- Very low odor

FoamStar[®] ST 2420 defoamer can be added in the grind or letdown portion of the formula. It is best to split the addition, adding $\frac{1}{4}$ - $\frac{1}{2}$ of the defoamer to the grind, and the remainder to the letdown.

Recommended dosage In low VOC formulas, use FoamStar[®] ST 2420 at a level of 0.3 – 1.0 % based on total formula weight.

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 2420.

Storage

FoamStar® ST 2420 is shipped in 55 gallon (200 liter) steel drums and plastic tote tanks. Mixing FoamStar® ST 2420 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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