

DESCRIPTION

SURFYNOL® 420 is a multi-functional surfactant that provides dynamic wetting and molecular defoaming properties. It is suitable for waterborne coatings and inks.

KEY BENEFITS

- good wetting of low-energy and/or contaminated substrates
- excellent defoaming and deaeration
- suitable for food contact compliant formulations

EFFECT**Substrate wetting****Anti-crater effect****Flow promotion****Defoaming****Reduction of static surface tension****Reduction of dynamic surface tension****SUITABILITY**

waterborne	solventborne
●	●
2-pack 100%	radiation-curing
●	●
pigmented coatings	clear coatings
●	●

● not suitable ● partly suitable ● suitable

TYPICAL APPLICATIONS

- General industrial coatings
- Architectural paints
- Wood coatings
- Printing Inks

TECHNICAL DATA

active matter content	100 %
appearance	clear colored liquid
chemical description	ethoxylated acetylenic surfactant
solvent	-

SOLUBILITY

Water	Ethanol
●	●
TPGDA	Acetone
●	●
Butylacetate	Mineral Spirits
●	●

● not soluble ● partly soluble ● soluble

RECOMMENDED ADDITION LEVEL

As supplied calculated on total formulation: 0.1 - 1.5 %

PROCESSING INSTRUCTIONS

- Addition to the coating as supplied or as a predilution is possible.
- Can be introduced in the grind and let-down stage.

HANDLING & STORAGE

- When stored in an original unopened packaging, the product has a shelf life of 60 months from the date of manufacture.
- Keep containers tightly closed in a dry, cool, and well-ventilated place. Product is normally freeze-thaw stable; if it phase separates or freezes at colder temperatures, warm container to 40 °C and mix thoroughly before use.

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