

DESCRIPTION

SURFYNOL® 118 is a very compatible, formulated molecular defoamer/deaerator based on Gemini surfactant technology. It can be used for a wide variety of applications where pinhole elimination, macro-, and micro-foam control is needed without causing any film defects.

KEY BENEFITS

- prevents pinholes and solvent popping in bake coatings while maintaining surface appearance
- increase wet film thickness that can be applied without film defects
- combination of defoaming and deaeration properties
- highly suitable for sensitive waterborne formulations
- 100% active and low viscous liquid
- silicone- and silica-free, APEO- and tin-free

EFFECT**Flow promotion****Defoaming****Reduction of static surface tension****Reduction of dynamic surface tension****SUITABILITY****waterborne****2-pack 100%****radiation-curing****pigmented coatings****clear coatings**

● not suitable ● partly suitable ● suitable

TYPICAL APPLICATIONS

- Car OEM coatings
- Car repair coatings
- Transportation coatings
- General industrial coatings
- Wood coatings
- Plastic coatings
- Paper coatings
- Printing Inks

TECHNICAL DATA

active matter content	100 %
appearance	clear colorless liquid
chemical description	organic based Gemini molecular defoamer

SOLUBILITY

TPGDA	Acetone
●	●
Butylacetate	Mineral Spirits
●	●

● not soluble ● partly soluble ● soluble

RECOMMENDED ADDITION LEVEL

As supplied calculated on total formulation: 0.1 - 3.0 wt-%

PROCESSING INSTRUCTIONS

- Addition to the coating as supplied.
- Addition may be either in the grind or during the let-down procedure.

HANDLING & STORAGE

Keep containers tightly closed in a dry, cool, and well-ventilated place. Mix thoroughly before use. Product is freeze-thaw stable but may separate on standing or freezing; bring product to 20-30 °C and mix thoroughly before use. Please refer to the SDS for the most current information.

MSDS & REGULATORY INFORMATION

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

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