**SURFYNOL® 440**

**DESCRIPTION**

SURFYNOL® 440 is a very good substrate wetting agent that offers good foam control with a moderate solubility in aqueous systems. It is suitable for waterborne coatings and inks.

**KEY BENEFITS**

- low-foam, dynamic surface tension reduction
- good wetting of low-energy and/or contaminated substrates
- 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

**TYPICAL APPLICATIONS**

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

**TECHNICAL DATA**

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

**SOLUBILITY**

- Water: soluble
- Ethanol: soluble
- TPGDA: partly soluble
- Acetone: not soluble
- Butylacetate: partly soluble
- Mineral Spirits: not 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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