

Nonionic Low-foam Dynamic Wetting Agent **SURFADOL® 440 Surfactant**

Special properties

- Specifically for water-based systems
- Reduce dynamic surface tension
- Improve wetting of low-energy and/or contaminated substrates
- Defoaming/de-airentainment in concrete and oil field cements
- Wet and prevent smut formation in metalworking fluids
- Has several global food contact compliances
- Silicone-free, APEO free, non-toxic, solvent free

Examples of application

- Water-based printing inks
- Waterborne industrial coatings
- Fountain solutions
- Water-based adhesives
- Concrete and oil well cementing
- Metalworking lubricants

Processing instructions

- Mix well when use.
- Added and mixed after other surfactants.
- Pigments, fillers or other solid should be added after Surfadol surfactant has been evenly mixed.

Typical properties

Active matter	2,4,7,9-Tetramethyl-5-decyne-4,7-diol ethoxylate, CAS#9014-85-1
Active matter content	100%
HLB value	8
Dynamic surface tension (0.1%wt. , 6 b /s)	35.0 dynes/cm
Solubility in water	slightly soluble
Suggested use level	0.2% - 2.0% of total formulation weight

Specifications

Test Item	Standard
Appearance	Light yellow liquid
APHA Color (Pt-Co)	≤350
Density at 25 °C, g/cm ³	0.900-1.000

Package and storage

The standard package for this material is 180kg plastic drums, 4 drums/pallet.
The product is also available in 20kg pails and 955kg IBCs.

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. The shelf life for this product is 48 months from the date of manufacture.