

Nonionic Dynamic Wetting Agent and Molecular Defoamer

SURFADOL® 541H Surfactant**Special properties**

- Low dynamic surface tension
- Ability to wet contaminated substrates
- Non-micelle forming
- Stability between pH 3-10
- Prevents surface defect problems such as fisheyes, crawling, and cratering on low-energy substrates
- Reduces microfoam in spray-applied systems
- Improves pigment grind efficiency
- Reduces water sensitivity
- Defoams, deaerentrains, and improves flow
- Enhances leaf and soil penetration while improving bloom and stability in agricultural chemicals
- Lubricates, wets, and prevents smut formation while eliminating hot spots in metalworking fluids
- Silicone-free, APEO free, non-toxic

Examples of application

- Water-based printing inks
- Water-based adhesives
- Dye processing
- Fountain solutions
- Waterborne coatings
- Metalworking fluids
- Overprint vanishes
- Agricultural chemicals
- Pigment synthesis/ grinding/dispersing

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, CAS#126-86-3
Active matter content	75%
Solvent	Ethylene glycol
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 900kg IBCs and 20kg pails.

Keep containers tightly closed in a dry, cool, and well-ventilated place. Product is 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.

For more information, please send email to: sales@acmetech.cn.