

Nonionic Dynamic Wetting Agent and Molecular Defoamer

SURFADOL® 541PA 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, deairentrains, and improves flow
- Enhances leaf and soil penetration while improving bloom and stability in agricultural chemicals
- Silicone-free, APEO free, non-toxic

Examples of application

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

Processing instructions

- Mix well when use.
- Added and mixed after other surfactants.
- Pigments, fillers or other solid should be added after Surfadol 541PA 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	50%
Solvent	2-Propanol
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	0.800-0.900

Package and storage

The standard package for this material is 170kg galvanized iron drums, 4 drums/pallet.

Keep containers tightly closed in a dry, cool, and well-ventilated place. Product is freeze-thaw stable. Mix thoroughly before use. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from heat and sources of ignition.

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

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