

Nonionic Dynamic Wetting Agent and Molecular Defoamer Surfadol 541 Surfactant

Special properties

- nonionic acetylenic diol surfactant
- specifically for water-based systems
- low equilibrium and dynamic surface tension, good foam control
- improves wetting of various substrates and pigments
- silicone-free, APEO free, non-toxic

Examples of application

- water-based printing inks
- fountain solutions
- water-based flexo- and gravure inks
- waterborne coatings

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	100%
Dynamic surface tension (0.1%wt. , 6 b /s)	36 dynes/cm
Density at 25 °C, g/cm ³	0.89
Solubility in water	slightly soluble
Boiling point	262 °C
Melting point	54-55 °C
Suggested use level	0.1% - 1.5% of total formulation weight

Specifications

Test Item	Standard
Appearance	White wax solid
APHA Color (Pt-Co)	≤250
TMDD (purity)	≥98.00%
Water Content	≤1.50%

Package and storage

The standard package for this material is 180kg galvanized iron drums, 4 drums/pallet. It is also available in 20kg pails.

Keep containers tightly closed in a dry, cool, and well-ventilated place. The shelf life for this product is 48 months from the date of manufacture. Product is freeze-thaw stable. Container should be heated to 60-70 °C to completely melt product; mix thoroughly before use.

For more information, please contact sales@acmetech.cn.