

Nonionic Dynamic Wetting Agent and Molecular Defoamer **SURFADOL® AD-01**

SURFADOL® AD-01 is multi-functional gemini surfactant combining dynamic wetting and molecular defoaming. SURFADOL® AD-01 is free of APEO and VOC, and suitable for water -based coatings, inks and adhesive.

Composition

2,4,7,9-Tetramethyl-4,7-Decanediol; CAS No: 17913-76-7

Typical properties

Chemical family	Alkane diol; Nonionic Defoamer; Gemini surfactant
Active matter content	100%
Appearance	Light yellow liquid
Solubility in water	Not soluble
pH value	6.0-8.0
Suggested use level	0.1% - 1.0% of total formulation weight

COA specifications

Test Item	Standard
Appearance	Light yellow liquid
APHA Color (Pt-Co)	≤350
Viscosity (mpa.s)	≤1000

Special properties

- Nonionic alkane diol defoamer
- Suitable for water-based systems
- Fast knock-down defoaming and outstanding foam control on micro foam
- Excellent dynamic wetting
- Provides anti-crater effect
- Silicone-free, APEO free, non-toxic

Examples of application

- water-based printing inks
- waterborne industrial coatings
- water-based adhesives
- water-based automotive coatings
- water-based wood coatings

Processing instructions

- Addition to the coating as supplied or as a predilution is possible.
- Can be introduced in the grind and let-down stage.

Package and storage

The material can be supplied in 200kg drums or 25kg pails. One pallet can load 4 drums or 18 pails. Keep containers tightly closed in a dry, cool, and well-ventilated place.

When stored in an original unopened packaging at appropriate temperature (15 °C~50 °C), the product has a shelf life of 24 months from the date of manufacture.

Product is normally freeze-thaw stable but may separate as a result of standing or freezing. If the product has frozen or become thick due to storage in colder temperatures, warm to 40 °C and mix thoroughly before use.