

Technical Information

SURFYNOL® 420 Surfactant

Nonionic Low-foam Dynamic Wetting Agent and Molecular Defoamer

Description

Surfynol® 420 surfactant can perform as a dynamic wetting agent and molecular defoamer in a wide variety of applications including waterborne coatings, inks, adhesives, agricultural chemicals, and numerous industrial specialty applications. It is a 100% active, easy-to handle liquid that contains no added alkylphenol ethoxylates (APEs) or hazardous air pollutants (HAPs). Surfynol® 420 surfactant complies with several regulations needed for applications requiring food contact compliances in the US, Europe and Asia.

Recommended Usage

Between 0.1 and 1.5% of total formulation weight is recommended.

Advantages

- Low-foam dynamic surface tension reduction
- Enables wetting of low-energy and/or contaminated substrates
- Enhances rapid penetration of absorbent substrates
- Has several global food contact compliances
- Stable in most high electrolyte and brine systems
- Defoaming/de-airentrainment in concrete and oil field cements
- Wets and prevents smut formation in metalworking fluids

Typical properties

Appearance	Clear, yellow liquid
Specific Gravity at 21 °C	0.94
Viscosity at 25 °C	212 mPa.s
Flash Point	>108 °C
Pour Point	-25 °C
Activity	100 %

These are typical properties only and do not represent sales or manufacturing specifications.

Applications

- Waterborne industrial coatings
- Waterborne internal can coatings
- Printing inks
- Fountain solutions
- Pressure-sensitive adhesives
- Flexible food packaging adhesives
- Paper coatings
- Latex dipping
- Metalworking lubricants
- Electroplating and acid pickling
- Concrete and oil well cementing

Storage and Handling

Surfynol® 420 surfactant should be stored under dry and clean conditions between -10 °C and 50 °C.

Product is freeze-thaw stable; if it phase separates or freezes at colder temperatures, warm container to 40 °C and mix thoroughly before use.

Please refer to Material Safety Data Sheet.

Shelf-Life

60 months from the date of manufacture.

Hazardous goods classification

Information concerning

- classification and labelling according to regulations for transport and for dangerous substances
- protective measures for storage and handling
- measures in case of accidents and fire
- toxicity and ecological effects

is given in our material safety data sheets.

06/2017

For Technical Information, Support and Samples:

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