

## Technical Information

**SURFYNOL® 440 Surfactant**

Non-ionic Low-foam Dynamic Wetting Agent and Molecular Defoamer

**Description**

Surfynol® 440 surfactant can perform as a non-foaming dynamic wetting agent 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® 440 surfactant complies with several regulations needed for applications requiring food contact compliances in the US, Europe and Asia.

**Recommended Usage**

Between 0.1 and 2 % 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
- Contains no added APEs, HAPs or solvents
- Contains no added siloxanes, silicones or fluorosurfactants

**Typical properties**

Appearance	clear, yellow liquid
Specific Gravity at 25 °C	0.98
Viscosity at 25 °C	150 mPa.s
Flash Point	> 110 °C
Pour Point	-8 °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
- Metalworking lubricants
- Concrete and oil well cementing

**Storage and Handling**

Surfynol® 440 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.

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## For Technical Information, Support and Samples:

Americas: [prodinfo@evonik.com](mailto:prodinfo@evonik.com)

Asia: [picasia@evonik.com](mailto:picasia@evonik.com)

EMEA: [apcse@evonik.com](mailto:apcse@evonik.com)

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**Evonik Nutrition & Care GmbH**  
Goldschmidtstraße 100  
45127 Essen, Germany  
Phone Europe +49 201 173 2665  
Phone Asia +86 21 61191 125  
Phone Americas +1 804 727 0700  
[interface-performance@evonik.com](mailto:interface-performance@evonik.com)  
[www.evonik.com/Interface-performance](http://www.evonik.com/Interface-performance)

