

Product Information

SURFYNOL® 440

PRODUCT DESCRIPTION

SURFYNOL® 440 Surfactant can perform as a nonfoaming 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.

Typical Properties

Property	Unit	Value
Activity	%	100
Appearance		clear to hazy, yellow liquid
Flash Point, min.	°C	110
Pour Point	°C	-8
Specific Gravity		0.95
at 25°C		
Viscosity	mPa·s	150
at 25°C		

The data represents typical values (no product specification)

BENEFITS & 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-airentainment 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

DOSAGE

Between 0.1 and 2% of total formulation weight is recommended.

STORAGE

Keep containers tightly closed in a dry, cool, and well ventilated place. Product is normally freeze-thaw stable; if it phase separates or freezes at colder temperatures, warm container to 40°C and mix thoroughly before use.

Handling precautions refer to the Material Safety Data Sheet for the most current information.

SHELF LIFE

The shelf life for this product is 60 months from the date of manufacture.

TYPICAL 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 cement in
- Delabeling, demetallizing and deinking in the washing process of plastic recycling
- Suitable for the use in float sink processes

HAZARDOUS SUBSTANCE

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.

REGISTRATION LISTING SUMMARY

Per 40 CFR 180.910 SURFYNOL 440 (data rights) is exempt from the requirement of a tolerance when used in accordance with good agricultural practice as an inert ingredient in pesticide formulations applied to growing crops or to raw agricultural commodities after harvest.

SURFYNOL 440 is OMRI (Organic Materials Review Institute) listed.

Disclaimer

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third-party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

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