

Product Information

SURFYNOL® 465

Nonionic Dynamic Wetting Agent

PRODUCT DESCRIPTION

SURFYNOL® 465 is a good substrate wetting agent with very good solubility in aqueous systems and low foaming properties. It is a 100% active, easy to handle liquid that contains no added alkylphenol ethoxylates (APEs) or hazardous air pollutants (HAPs). SURFYNOL® 465 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, yellow liquid |
| Density | g/cm ³ | 1.04 |
| at 21°C | | |
| Flash Point, min. | °C | 110 |
| Pour Point | °C | -6 |
| Viscosity | mPa·s | 142 |
| 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

HANDLING & PROCESSING

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

STORAGE

SURFYNOL® 465 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.

The shelf life period can be subject to prolongations based on reapprovals in accordance with the established Evonik ISO 9001 quality management process.

TYPICAL APPLICATIONS

- Waterborne industrial coatings
- Waterborne internal can coatings
- Printing inks
- Fountain solutions
- Adhesives
- Latex dipping
- Agricultural chemicals
- Metalworking lubricants
- Electroplating and acid pickling

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.

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.

Evonik Operations GmbH

Interface & Performance
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
evonik.click/interface-performance