

Technical Information

SURFYNOL® AS 5060

Nonionic Low-foam Dynamic Wetting Agent

Typical properties

Appearance	Clear, pale yellow liquid
Specific Gravity at 21 °C	1.0
Viscosity at 25 °C	110 mPa.s
Flash Point	174 °C
Pour Point	-41 °C
VOC (US EPA Method 24)*	0

* VOCs, as defined by the EPA in 40 CFR 51.100(s). Surfynol® AS 5060 was found to contribute no VOC under EPA Method 24 testing conditions when evaluated at 1.0 wt.% in a zero-VOC coating formulation.

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

Advantages Description

Surfynol® AS 5060 is a low-foam dynamic wetting agent based on patented Gemini surfactant technology. It has been designed to deliver excellent wetting and high water solubility while adding no foam to aqueous systems.

As a result, Surfynol® AS 5060 can provide specific performance benefits in a broad range of water-based systems, including numerous types of adhesives and industrial specialty applications. It is also easy to incorporate and is stable in hard water. As a 100% active liquid, Surfynol® AS 5060 contains no added alkylphenol ethoxylates (APEs) or hazardous air pollutants (HAPs).

Recommended Usage

Between 0.1 and 1.0% of total formulation weight is recommended.

Advantages

- Low dynamic surface tension
- Foam-free dynamic wetting with improved solubility
- Contributes no VOCs per European and US2 regulations
- Contains no added APEs or HAPs
- No negative effect on water resistance
- No phase separation

Applications

- Adhesives
- Flexible food packaging adhesives
- Paper coatings
- Pressure sensitive adhesives
- Pigment dispersions
- Industrial specialties

Storage and Handling

Surfynol® AS 5060 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.

Registration status

The components of Surfynol® AS 5060 are listed in the following chemical inventories:

EINECS, TSCA, DSL, AICS, ENCS, TCCL, IECS, NZIOC

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.

This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall Evonik assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. EVONIK EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED. Reference to any trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used. Evonik reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent notice.

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
www.evonik.com/Interface-performance

