

Technical Information

SURFYNOL® AS 5020

SURFYNOL® AS 5020 is a nonionic low-foam dynamic wetting agent and molecular defoamer

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.

Description

Surfynol® AS 5020 can perform as a dynamic wetting agent and molecular defoamer in a wide variety of applications including adhesives 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® AS 5020 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

Applications

- Pressure-sensitive adhesives
- Flexible food packaging adhesives
- Paper coatings
- Latex dipping

Storage and Handling

- Surfynol® AS 5020 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.

Food contact status

FDA Regulation

SURFYNOL® AS 5020 may be used in adhesives, paper and paperboard and as a component in polymeric coatings, and is in compliance with 21 CFR 175.105 (Adhesives), 21 CFR 175.300 (Polymeric coatings), 21 CFR 176.170 (Components of paper and paperboard in contact with aqueous and fatty foods), 21 CFR 176.180 (Components of paper and paperboard in contact with dry food).

Storage stability

SURFYNOL® AS 5020 is stable in closed containers for a minimum of 60 months from the date of manufacture.

Registration status

The components of Surfynol® AS 5020 are listed in the following chemical inventories:

EINECS, TSCA, DSL, TCSI, AICS, ENCS, TCCL, PICCS, IECSC, NZIOC

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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