

Technical Information

SURFYNOL® AS 5040 – Non-Ionic Dynamic Wetting Agent**Table 1: Typical Properties¹**

Appearance	clear to hazy, yellow liquid
Viscosity @ 25 °C (mPa · s)	150
Specific Gravity @ 25 °C	0.95
Flash Point (°C)	> 110
Pour Point (°C)	-8
Activity	100 %

¹ These are typical properties only and do not represent sales or manufacturing specifications.

Description

SURFYNOL® AS 5040 can perform as a non-foaming dynamic wetting agent in a wide variety of applications including waterborne 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 5040 complies with several regulations needed for applications requiring food contact compliances in the US, Europe and Asia.

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
- Contains no added APEs, HAPs or solvents
- Contains no added siloxanes, silicones or fluorosurfactants

Applications

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

Recommended usage

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

Storage and handling

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.

Shelf life

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

Handling precautions

Refer to the Material Safety Data Sheet for the most current information.

Registration status

The components of Surfynol® AS 5040 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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