

Technical Information

SURFYNOL® AS 5140

Dynamic Wetting Agent

Typical properties

Appearance	Clear, colorless to pale yellow
Density at 21 °C	1.07 (g/mL)
Viscosity at 25°C	890 mPa.s
Flash Point	>184°C
Pour Point	-6°C

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

Description

Surfynol® AS 5140 is a formulated liquid, wetting agent based on a proprietary combination of surface active chemistries. It is designed to provide dynamic wetting without generating excess foam in waterbased pigment dispersions, adhesives and paper coatings.

Surfynol® AS 5140 offers superior wetting over the most difficult surfaces including silicone release liners.

Surfynol® AS 5140 does not contain added mineral oils, hazardous air pollutants (HAPs), alkyl phenol ethoxylates (APEs) or acetylenic diols.

It is especially suited for waterbased applications requiring global food contact compliances.

Applications

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

Recommended Usage

Between 0.1 and 1.0 % of total formulation weight. Add slowly to formulation under moderate agitation.

Advantages

- Excellent dynamic surface tension reduction
- Low odor surfactant
- Easily incorporated into waterbased systems
- Low foam wetting performance
- Outstanding wetting on difficult substrates
- Suitable for application requiring global food contact compliances

Food Contact Status

The surfactant complies with:

- US FDA 21CFR 175.105
- Swiss Ordinance SR817.023.21 – Annex 6, Part A of Lists I–V
- China GB9685–2016

Storage and Handling

Surfynol® AS 5140 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 5140 are listed in the following chemical inventories:

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

Shelf-Life

24 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.

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