

## Technical Information

**SURFYNOL® AS 5080** – Non-Ionic Organic Superwetter**Table 1: Typical Properties<sup>1</sup>**

Appearance	clear, yellow liquid
Viscosity @ 25 °C (mPa · s)	230
Specific Gravity @ 25 °C	0.98
Flash Point (°C)	188
Pour Point (°C)	1
VOC (US EPA Method 24) <sup>2</sup>	0
Activity	100 %

- 1 These are typical properties only and do not represent sales or manufacturing specifications.
- 2 Volatile organic compounds (VOCs), as defined by the EPA in 40 CFR 51.100(s). SURFYNOL® AS 5080 was found to contribute no VOC under EPA Method 24 testing conditions when evaluated at 1.0 wt.% in a zero-VOC coating formulation.

**Description**

SURFYNOL® AS 5080 is a unique organic superwetter that is designed to provide a superior balance of properties compared to traditional fluorosurfactants and silicone surfactants. It can deliver exceptional performance in a wide variety of water-based applications.

Based on Gemini surfactant technology, SURFYNOL® AS 5080 has the ability to reduce both equilibrium and dynamic surface tension while avoiding the issues associated with silicone-based or fluorosurfactants. This superior balance of properties makes SURFYNOL® AS 5080 an excellent alternative for difficult-to-wet substrates requiring good flow and leveling under diverse application conditions.

**Features/Benefits**

- 100 % active organic superwetter
- Excellent dynamic surface tension reduction
- Very low equilibrium surface tension reduction
- Improved formulation compatibility and ease of incorporation
- Low viscosity, easy-to-handle liquid
- Low foam
- Contains no added silicones, siloxanes or fluorosurfactants
- Contains no added APEs, HAPs, or VOCs

**Applications**

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

**Recommended usage**

Between 0.1 and 1% of total formulation weight is recommended.

**Shelf life**

The shelf life for this product is 24 months from the date of manufacture.

**Storage and handling**

Keep away from direct sunlight. Keep containers tightly closed in a dry, cool and well-ventilated place. Product is freeze-thaw stable; if it phase separates or freezes at colder temperatures, warm container to 40 °C and mix thoroughly before use.

## Registration status

The components of Surfynol® AS 5080 are listed in the following chemical inventories:

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

## 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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