

Technical Information

SURFYNOL® MD-20 Defoamer

Molecular Defoamer

Typical properties

Appearance	Clear, yellow liquid
Specific Gravity at 21 °C	1.0
Viscosity at 20 °C	260 mPa.s
Flash Point	130 °C
Pour Point	-13 °C
Activity	100 %

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

Description

Surfynol® MD-20 defoamer is an organic molecular defoamer based on Gemini surfactant technology. This unique multifunctional defoamer can provide a combination of foam control and dynamic wetting. Surfynol® MD-20 defoamer can be exceptionally effective at reducing foam-related defects in waterborne systems. It can provide foam control and reduce microfoam without the incompatibilities or other issues associated with silicone or mineral oil defoamers.

Recommended Usage

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

Advantages

- Defect-free foam control with good substrate wetting
- Eliminates microfoam
- Long-lasting defoamer efficacy
- Can improve flow and levelling and eliminate orange peel
- Ease of incorporation and good compatibility

- Synergistic with typical wetting agents
- Contains no added silicone, silica or fluorinated materials
- Contains no added alkylphenol ethoxylates (APEs)

Applications

- Lamination adhesives
- Adhesives
- Flexible food packaging adhesives
- Paper coatings
- Pressure sensitive adhesives
- Pigment dispersions
- Pigment grinding and dispersing
- Semiconductor cleaning and processing
- Oil and gas processing
- Metalworking fluids
- Concrete and mortars

Storage and Handling

Surfynol® MD-20 defoamer 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® MD-20 defoamer are listed in the following chemical inventories:

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

Shelf-Life

36 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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