

## Product Information

## SURFYNOL® DF 37

## PRODUCT DESCRIPTION

SURFYNOL® DF 37 defoamer is a versatile, oil-based defoamer that is an effective foam control agent in latex dipping processes as well as coating and ink formulations, among other industrial applications. Because of its wetting capabilities, the tendency for SURFYNOL® DF 37 defoamer to cause fisheyes, craters, retraction and other surface defects is significantly reduced compared to most defoamers. This organic defoamer also provides inherent wetting properties.

As a result, SURFYNOL® DF 37 defoamer allows for dewebbing and consistent coverage of ceramic and synthetic forms used in latex dipping. Competitive dewebbing agents are usually water-based silicone emulsions, which can separate either upon standing or after freezing. This results in poor dewebbing performance and increases the potential for fisheyes and other defects, even after mixing. SURFYNOL® DF 37 defoamer also promotes wetting of other low energy substrates like plastics and contaminated or improperly cleaned surfaces.

## Typical Properties

Property	Unit	Value
Activity	%	100
Appearance		Hazy, to yellow amber liquid
Flash Point, min.	°C	109
Pour Point	°C	3
Specific Gravity at 20°C	g/ml	0.975
Viscosity at 20°C	mPa·s	356

The data represents typical values (no product specification)

## TYPICAL APPLICATIONS

- Latex dipping
- Water-based coatings and inks
- Adhesives
- Concrete and drymix mortars
- Metalworking fluids
- Paper coatings

## BENEFITS &amp; ADVANTAGES

- Excellent defoaming
- Inherent surfactant properties to improve wet out of improperly cleaned forms and low energy substrates
- Excellent latex compatibility
- Superior dewebbing, even at low concentrations
- Good freeze-thaw stability
- Compliant under certain FDA regulations

## HANDLING &amp; PROCESSING

Use between 0.1 and 0.5% of total formulation weight in coatings. Use between 0.05 and 0.3% of total formulation weight for dewebbing. Add on a wet basis, then mix under moderate shear for 15-30 minutes.

## SHELF LIFE

Surfynol® DF-37 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 20-30°C and mix thoroughly before use. Please refer to Material Safety Data Sheet. Shelf-Life 36 months from the date of manufacture.

## HAZARDOUS SUBSTANCE

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.

### Disclaimer

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third-party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

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