

**DESCRIPTION**

Surfynol DF-75 defoamer is an organic-based mineral oil-free additive designed to provide knockdown and sustained defoaming in a wide variety of water-based formulations. Performance benefits can be obtained when this product is incorporated into aqueous inks, overprint varnishes, coatings, adhesives and paper coatings. This compound is particularly useful for foam control in systems that are based upon acrylic resins.

**ADVANTAGES**

- Rapid de-airementment
- Retains defoaming effectiveness for a long time
- Can be incorporated as received or predispersed. If predispersed in water, proper agitation is necessary prior to use.
- Avoids most overdose problems
- Wide degree of formulating latitude
- Formulated systems can avoid surface defects that can be caused by some competitive defoamers
- Stable and effective at room and elevated temperatures

**APPLICATIONS**

- Water-based coatings and inks
- Overprint varnishes
- Adhesives
- Paper coatings
- Acrylic resins

**TABLE 1: TYPICAL PROPERTIES<sup>1</sup>**

|   |                              |
|---|------------------------------|
| <b>Appearance</b>                         | Hazy, yellow to amber liquid |
| <b>Viscosity @ 25°C (mPas)</b>            | 200-500                      |
| <b>Specific Gravity @ 25°C</b>            | 0.97-1.00                    |
| <b>Flash Point (°C)</b>                   | >266                         |
| <b>Pour Point (°C)</b>                    | -15                          |
| <b>Activity</b>                           | 100%                         |
| <b>VOC (US EPA Method 24)<sup>2</sup></b> | 0                            |

Footnotes:

- (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 DF-75 defoamer was found to contribute no VOC under EPA Method 24 testing conditions when evaluated at 0.5 wt.% in a zero-VOC coating formulation.

**RECOMMENDED USAGE**

Between 0.1 and 1.0% of total formulation weight.

**STORAGE AND HANDLING**

Keep containers tightly closed in a dry, cool, and well-ventilated place. Store between 5 and 35°C. Mix thoroughly before use. Product is freeze-thaw stable but may separate on standing or freezing; bring product to 20-30°C and mix thoroughly before use.

**SHELF LIFE**

The shelf life for this product is 12 months from the date of manufacture.

**HANDLING PRECAUTIONS**

Refer to the Safety Data Sheet for Surfynol DF-75 defoamer.

Oil Defoamer

# Surfynol® DF-75 Defoamer

**EVONIK CORPORATION**

7201 Hamilton Blvd.  
Allentown, PA 18195  
1 800 345-3148  
Outside U.S. and Canada 1 610 481-6799

**For Technical Information and Support:**

Americas: [picus@evonik.com](mailto:picus@evonik.com)  
EMEA: [apcse@evonik.com](mailto:apcse@evonik.com)

**Disclaimer**

The information contained herein is offered without charge for use by technically qualified personnel at their discretion and risk. All statements, technical information and recommendations contained herein are based on tests and data which we believe to be reliable, but the accuracy or completeness thereof is not guaranteed and no warranty of any kind is made with respect thereto.

