

### **DF-65**

## Silicone emulsified defoamer

#### Overview

DF-65 is an emulsified polysiloxane defoamer, primarily suitable for aqueous and some solvent-based coatings and ink systems. It exhibits high efficiency in foam suppression and foam breaking, and it can enhance leveling and abrasion resistance.

# Physicochemical Properties

Appearance	Milky white liquid	Composition	Emulsified polysiloxane
Active content	$60.0 \pm 2.0\%$	Solvent	Water
Density	0.90 g/ml	pH Value	$6.5 \pm 1.0$

## Characteristics & Advantages

High molecular weight emulsified polysiloxane offers efficient foam suppression, defoaming, and foam-breaking properties, along with leveling and abrasion resistance benefits, and is safe to use.

- Not only provides strong defoaming capability but also excellent foam suppression, suitable for various aqueous and some solvent-based coatings and inks;
- High safety factor, unlikely to cause oil spots, shrinkage cavities, fisheyes, or other coating film defects;
- Excellent compatibility, broad applicability, unaffected by temperature, pH, or interference from other surfactants;
- Enhances the leveling and wetting properties of coatings and inks:
- Improves the smoothness and abrasion resistance of solventbased coatings

### **Dosage**

<u>Defoaming</u>: Aqueous flexographic inks: 0.05-0.5%, Aqueous gravure inks: 0.1-0.5%, Solvent-based flexographic inks: 0.05-0.1%, Aqueous coatings (including latex paints): 0.05-0.2%

<u>Leveling & Wetting</u>: Aqueous flexographic inks: 0.05-0.5%, Aqueous wood coatings: 0.5-1.0%, Latex paints or aqueous industrial coatings: 0.1-0.15%

<u>Abrasion Resistance & Smoothness</u>: Solvent-based coatings or inks: 0.05-0.10%

### **Application**

Aqueous coatings, inks, colorants, and medium to high polarity solvent-based coatings and inks

### **NEW-TECHEM**

For further detailed information, please contact our company directly.

www.new-techem.com

The information provided is compiled based on our current knowledge and is intended for reference only. No guarantees are made. We reserve the right to modify product parameters within the scope of process advancements or product development. Due to the wide range of processing conditions and raw material combinations beyond our control, users are advised to conduct suitability tests before production.

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**Precautions &** 

**Storage** 

Storage temperature should be maintained between 5-30  $^{\circ}$ C.

Safety

Refer to MSDS

**Packaging** 

25 KG/Barrel

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