

Technical Data Sheet (TDS)

Product Name: Fast-Acting Defoamer

Product Code: CD-4079

Revision Date: 2025-02-09

1. Product Description

Engineered for instant foam collapse, CD-4079 combines ultra-pure polydimethylsiloxane, hydrophobic fumed silica, and short-chain polyethers in a highly efficient delivery system. Enhanced with low molecular weight alcohol-based carriers and non-ionic surfactants, it rapidly penetrates foam structures, bursting even the most persistent micro bubbles within seconds. Designed for dynamic, high-foaming processes such as fermentation, filling, cleaning, and coatings, this product delivers exceptional knockdown speed, broad system compatibility, and minimal dosage efficiency—setting a new benchmark in high-speed foam control technology.

2. Applications

- Textile dyeing and finishing
- Metal cleaning and degreasing
- Paper making (pulp defoaming)
- Spray cleaning systems
- Industrial wastewater treatment

3. Key Features

- Rapid foam knockdown
- Excellent dispersibility in water
- Effective at low dosage
- Compatible with most water-based systems
- Performs under shear and agitation

4. Typical Properties

Property	Value
Appearance	Milky white liquid
Viscosity (25°C)	300–1000 CP
pH	6.0 – 8.0
Active Content	10–30%
Solubility	Easily dispersible in water

5. Recommended Dosage

Add 0.05%–0.3% by weight directly to the foaming system. The optimal dosage should be determined through trials.

6. Storage & Packaging

Store in a cool, dry, and well-ventilated area. Protect from freezing.

Available in 25 kg pails, 200 kg drums, or custom packaging upon request.

Shelf-life is 12 months in sealed and ambient storage.

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