

Technical Data Sheet (TDS)

Product Name: High-Temperature Resistant Defoamer

Product Code: CD-4627

Revision Date: 2025-02-09

1. Product Description

CD-4627 is specially formulated for demanding industrial processes involving elevated temperatures. Engineered with a thermally stable backbone and optimized spreading agents, it maintains excellent defoaming and anti-foaming efficiency at temperatures exceeding 120°C. Its low surface tension and high thermal resistance enable rapid foam collapse without degradation or viscosity loss. Suitable for applications such as high-temperature metal cleaning, pulp and paper processing, and wastewater evaporation systems, it ensures sustained performance under harsh thermal and chemical conditions.

2. Typical Physical Properties

Property	Value
Appearance	Milky white liquid
pH	6.5 – 8.0
Viscosity (25°C)	800 – 1500 mPa·s
Density (25°C)	0.95 – 1.05 g/cm ³
Active Content	100%
Flash Point	> 200°C
Solubility	Dispersible in water
Storage Temperature	5°C – 35°C

3. Applications

- Oil and gas processing
- High-temperature cleaning systems
- Industrial wastewater treatment
- Chemical manufacturing under elevated temperatures

4. Usage Guidelines

Add CD-4627 directly to the foaming system. The recommended dosage is between 100 – 1000 ppm, depending on the specific application and foaming tendency. Preliminary testing is advised to determine the optimal dosage.

5. Storage and Packaging

CD-4627 should be stored in a cool, dry place between 5°C and 35°C. Avoid freezing. Shelf life is 12 months from the date of manufacture.

Available in 25 kg pails and 200 kg drums.

6. Safety Information

Please refer to the Material Safety Data Sheet - MSDS for information on handling, storage, and disposal. Use appropriate personal protective equipment - PPE during handling.

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