



TECHNICAL DATA SHEET (TDS)

Silicone Emulsion Defoamer

Product Description

Silicone Emulsion Defoamer is a high-performance, water-based antifoam agent designed to provide rapid foam knockdown and long-lasting foam control in a wide range of industrial aqueous systems. The product offers excellent dispersion, high efficiency at low dosage levels, and good compatibility with many industrial formulations.

Typical Applications

- Wastewater treatment
- Pulp and paper processing
- Paints and coatings
- Textile processing
- Industrial cleaning chemicals
- Adhesives and sealants
- Chemical manufacturing
- Water-based formulations
- General industrial process systems

Benefits

- Fast foam elimination
- Excellent persistent foam control
- Effective at low dosage
- Easy to disperse
- Good stability in aqueous systems
- Improves production efficiency
- Reduces overflow and processing downtime
- Suitable for continuous and batch processes



Typical Properties

Property	Typical Value
Appearance	White to off-white liquid
Odor	Mild characteristic
pH (25°C)	6.0–8.0
Density (25°C)	0.98–1.02 g/cm ³
Viscosity (25°C)	500–2,000 mPa·s
Solubility	Dispersible in water
Ionic Character	Nonionic
Active Content	Approximately 10–30%*

*Active content may vary depending on product grade.

Recommended Dosage

Recommended dosage depends on the application and foaming conditions.

Typical addition level:

- **0.01–0.30%** of total system weight

For best performance, determine the optimum dosage through laboratory or production trials.

Application

The product may be:

- Added directly into the foaming system
- Metered continuously during processing
- Diluted with clean water before use if required

Mix gently before use if slight separation occurs during storage.



Storage

Store in the original sealed container in a cool, dry and well-ventilated area.

Recommended storage temperature:

5–35°C

Protect from:

- Freezing
- Direct sunlight
- Excessive heat

Keep containers tightly closed when not in use.

Shelf Life

12 months from the date of manufacture when stored in unopened original containers under recommended conditions.

Packaging

Available in:

- 25 kg Plastic Drum
- 200 kg HDPE Drum
- 1,000 kg IBC Tote
- Bulk supply available upon request

Handling

Avoid unnecessary contact with eyes and skin.

Use suitable protective equipment during industrial handling.

Refer to the latest Safety Data Sheet (SDS) for complete health and safety information.



Quality Statement

Each production batch is manufactured under established quality-control procedures to ensure consistent product performance and reliability.