



ZEELCHEM™ DF

SILICONE DEFOAMER

Silicone Defoamer | Industrial Antifoam Agent

Product Overview:

Silicone Defoamer is an extremely effective antifoam and foam management agent that is designed to reduce and eliminate any unwanted foam from industrial processes. It is created using silicone-based active ingredients as well as suitable emulsifiers that provide rapid foam knockdown, lasting foaming and defoaming capabilities, as well as easy dispersion within water-based systems.

This Silicone Defoamer can be extensively employed in **the treatment of wastewater and textile processing**, as well as **paints and coatings** as well as **detergents, paper production formulations for agrochemicals** as well as **construction chemicals** and all **general processing of chemicals**.

It improves the efficiency of production decrease overflows, avoid delays in processing and ensure the smooth operation of foam-sensitive equipment.

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ZEEL PRODUCT

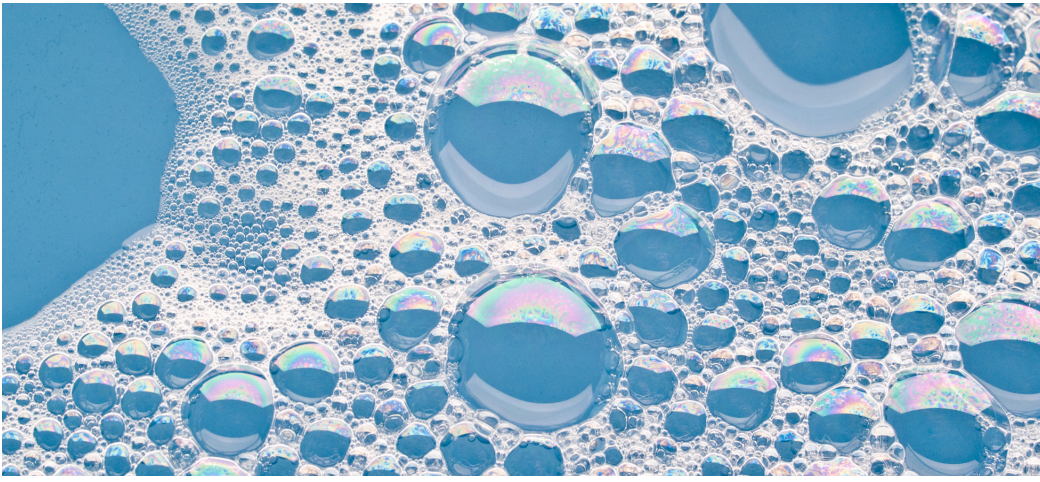
ZEELCHEM DF SILICONE DEFOAMER



WHAT DOES SILICONE DEFOAMER DO:

- ✓ Reduce surface tension
- ✓ Improve the efficiency of systems
- ✓ Prevent or control foam build up
- ✓ Perform under challenging conditions





Silicone Defoamer

Purchase Silicone Defoamer an effective antifoam agent that can be used for the treatment of wastewater, textiles and paints and paper.

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- CAS Number: 68554-65-4 (silicone-based)
- HSN Code: 38249022

Key Benefits of Silicone Defoamer

1. Rapid foam knockdown and action
2. Long-lasting foam control
3. Useful at low dose levels
4. Dispersible in water systems
5. Aids in preventing overflow and loss of production
6. Ideal for a variety of industrial applications
7. Enhances the efficiency of processes and enhances product quality
8. Stable performance in normal processing conditions



Applications:

Wastewater Treatment

Silicone Defoamer is used to manage foam from effluent treatment plants as well as sewage treatment plants aeration tanks and industries with wastewater treatment systems.

Textile Industry

It reduces foam when the washing, scouring, dyeing finishing, printing, and dyeing processes.

Paints and Coatings

It is used to reduce foaming in the process of mixing grinding, filling and the application of water-based coatings and paints.

Detergents and Cleaning Products

It is suitable for liquid cleaners, detergents as well as floor cleaners. other water-based cleaning formulations in which foam control is needed.

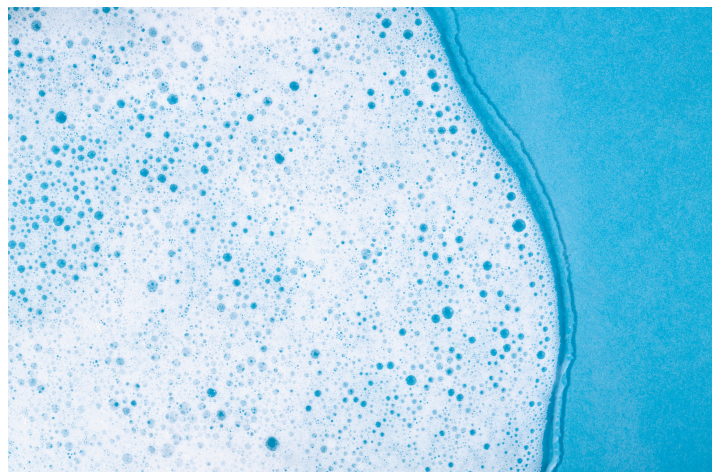
Paper and Pulp Industry

Aids in reducing foam from paper processing, pulp washing coating, as well as treatment of wastewater.

Chemical Processing

In mixer tanks, reactors and fermentation equipment, as well as polymer processing and in other chemical processes that generate foam.

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Typical Product Details:

Parameter	Typical Value
Product Name	Silicone Defoamer
Appearance	Milky white liquid
Active Content	silicone-based formulation
Solubility	Dispersible in water
Application Type	Antifoam / Defoamer
Usage	Industrial foam control
Dosage	It is dependent on the application and foam level
Packaging	[50 kg / 200 kg drum]
Shelf Life	(between 12 and 18 months, based on storage conditions)

Recommended Dosage:

The dosage recommended for **silicone Defoamer** is based on the kind of process, foam strength and temperature, pH and the conditions of the system.

The typical dosage range is

0.05 percent to 0.5 percent or as necessary following testing.

To get the best results, mix the defoamer directly into your foaming system, or dilute it with water prior to use, based on the purpose.

How to Use:

Stir or shake the solution prior to using. Add Silicone Defoamer in a gradual manner into the process in which foam is produced. In ongoing processes, the product could be added via the use of a dosing pump. The dosage is best developed through small-scale experiments prior to the use in large quantities.

Storage and Handling:

The product should be stored in a dry, cool and well-ventilated location. Make sure the container is tightly sealed when not using it. Avoid the direct sun and freezing conditions. Make sure that the equipment used for handling is clean to avoid contamination.

Industries We Serve:

- Wastewater treatment plants
- Textile processing units
- Paint and coating companies
- Manufacturers of cleaners and detergents
- Mills for paper and pulp
- Chemical producers
- Chemical companies for construction
- Agrochemical formulation units

Stay Connected!

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