



# ASHAION DF 450

## High-Performance Defoamer for Effluent Treatment Systems

### Product Overview

ASHAION DF 450 is a silicone emulsion-based defoamer designed to deliver fast and effective foam control in wastewater treatment systems. Specially formulated for use in ETPs and STPs, this product ensures smooth operations by eliminating surface foam in aeration tanks, clarifiers, and biological systems.

### Key Features

- Rapid foam knockdown
- Long-lasting foam suppression
- Excellent dispersion in water
- Stable over wide pH and temperature ranges
- Compatible with biological systems
- Economical and easy to dose

### Applications

- Effluent Treatment Plants (ETPs)
- Sewage Treatment Plants (STPs)
- Food and beverage industry waste management
- Chemical and pharmaceutical plant effluents
- Aeration tanks and bioreactors
- Cooling water basins and sumps prone to foaming

### Typical Properties

Parameter	Value
Appearance	Milky white emulsion
pH (1% solution)	6.0 – 8.0
Viscosity @ 25°C	100 – 300 cP
Specific Gravity	0.98 – 1.02
Solubility	Easily dispersible in water
Shelf Life	12 months

## Packaging Options

- 5 kg HDPE Can
- 50 kg Drum
- 200 kg HDPE Barrel
- Custom sizes available on request

## Recommended Dosage

10–50 ppm depending on foam load

Can be added directly or diluted with water

Suitable for continuous or shock dosing


## Storage & Safety

- Store in a cool, dry place away from sunlight
- Do not freeze
- Refer to the MSDS before handling

## Why Choose ASHAION DF 450?

ASHAION DF 450 is formulated for industries looking for a cost-effective, reliable, and easy-to-apply solution to foam-related process challenges. With a proven track record across multiple sectors, it ensures consistent performance with minimal environmental impact.

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