ASHA Resins Limited
(Formerly known as Asha Resins Private Limited)

Technical Data Sheet (TDS)

ASHAION DF 450 – Defoamer

Product Type: Defoamer

Application: ETP Systems

1. Product Description

ASHAION DF 450 is a high-performance, silicone-based defoamer specifically formulated for use in Effluent Treatment Plants (ETPs). It effectively controls and eliminates surface foam, enhancing operational efficiency and preventing overflow or foam-related disruptions in wastewater treatment processes.

2. Key Properties

Property	Typical Value
Appearance	Milky white liquid
Odour	Mild
Solubility	Dispersible in water
pH (1% solution)	6.0 – 8.0
Specific Gravity @ 25°C	0.98 – 1.02
Viscosity @ 25°C	100 – 300 cP
Flash Point	> 100°C (Non-flammable)
Shelf Life	12 months from Mfg. Date

3. Features & Benefits

- Rapid foam knockdown and sustained control
- Excellent stability over a wide pH and temperature range
- Economical dosage with high efficacy
- Suitable for continuous dosing or shock dosing
- Compatible with biological systems in ETPs

4. Recommended Applications

- Effluent Treatment Plants (ETPs)
- Sewage Treatment Plants (STPs)
- Industrial wastewater systems with foam generation
- Aeration tanks and bio-reactors

5. Usage Guidelines

Dosage: Typically 10–50 ppm, depending on foam severity and system conditions
Method of Addition: Can be added directly or diluted with water prior to dosing
Frequency: Continuous or batch-wise, based on process design

Note: Perform jar test or pilot evaluation for site-specific dosing.

6. Storage & Handling

- Store in a cool, dry place away from direct sunlight
- Keep container tightly closed when not in use
- Avoid freezing

7. Packaging

Available in 50 kg HDPE drums and 200 kg HDPE barrels (custom packaging on request)

8. Safety & Regulatory Information

- Non-hazardous under normal use conditions
- Avoid contact with eyes and prolonged skin exposure
- Refer to SDS for detailed safety and first aid information

9. Disclaimer

All information is given in good faith and is believed to be accurate. However, conditions of use are beyond our control and users are responsible for verifying suitability for their specific application.