Antifoam / Defoamer

CAS No. mixture (silicone-based) | HS Code 3824.99

Defoamer is a silicone-emulsion antifoam that knocks down surface foam in aeration basins, MBR/MBBR reactors, aerobic digesters and effluent sumps. Typical dosing is 10–50 ppm as needed, applied diluted at foam points; it prevents foam-over events that trip level switches, foul sensors and cause recordable odour complaints.

The product is non-ionic, biodegradable in normal biomass and does not deposit on membranes when dosed correctly. Silicone and polyether (non-silicone) grades are available — MBR plants often prefer polyether to avoid any silicone carryover into permeate.

Technical Specifications

Parameter	Unit	Value
Active content	%	≥ 30
Type	—	Silicone emulsion (polyether grade on request)
pH (as supplied)	—	6.0–8.0
Viscosity (25 °C)	mPa·s	200–1500
Water dispersibility	—	Dispersible / self-emulsifying
Appearance	—	Milky white to light-yellow liquid

Applications

- Surface foam control in activated sludge, SBR and MBBR systems
- Foam suppression in MBR membrane tanks and aerobic digesters
- Antifoam protection for DAF units and effluent holding tanks
- Foam knockdown in pulp & paper, dyeing and food-processing effluent

Packaging & Shipping

HDPE drum — 25 / 200 L | IBC tote — 1000 L

Storage & Shelf Life

Store between 5–35 °C, keep containers closed. Stir before use if stored long. Shelf life 12 months.

Transport Classification

Not classified as a dangerous good under IMDG/IATA; ships as general cargo. Protect from freezing in transit.

Safety Notes

Low toxicity; avoid eye contact and prolonged skin contact. Silicone spillage makes floors slippery — rinse with water. MSDS available on request.

Typical values for reference only. Final specifications are confirmed per batch Certificate of Analysis (COA) issued with each shipment. This document does not replace the MSDS — request it via the inquiry form.

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