Technical Data Sheet ANTIFOAMZERA I20

Updated August 25, 2025

PROPERTIES

Silicone-based antifoams use silicone compounds as their active ingredient. These compounds consist of hydrophobic additives incorporated into a dimethylpolysiloxane matrix, with emulsifiers added to ensure rapid dispersion of the silicone in the medium where foam forms. Silicone compounds may be supplied as an oil or as a water-based emulsion.

These antifoams are highly effective at controlling challenging foams. They excel at removing surface foam and releasing air trapped in the medium. These characteristics make them suitable for a wide range of applications in virtually all industries. In industrial processes, type "I" products are particularly well suited because of their excellent ability to migrate and disperse in foam-prone media, preventing foam formation during activities such as mixing, fluid transfer and filling.

I20 antifoam is specifically formulated for easy, effective application in aqueous environments. Its formulation includes nonionic emulsifiers that ensure high efficiency, excellent compatibility and long-lasting performance.

APPLICATIONS AND USES

- General chemical industry.
- Textile industry.
- Acid manufacturing.
- Bottle washing and general cleaning operations.
- Paper production processes.
- Wastewater treatment.
- Oil and gas industry.

TECHNICAL DATA

Appearance	Viscous liquid
Color	White
Odor	Characteristic
Total solids content at 100 °C (%)	22-28

Viscosity (25 ± 2 °C), cP	400-4000
Dosage (ppm)	100-500
Stability (centrifugation at 1,500 rpm for 15 min)	Stable
Shaker test (10 seconds at 450 oscillations/min)	<= 0.5 cm of foam
pH	4.0-7.0

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Business Hours
9050 Pines Blvd Suite 417 Pembroke Pines FL 33024
Monday to Friday, 9:00 AM - 5:00 PM
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PACKAGING

- 20 kg jerrycan.
- 200 kg drum.

SAFETY AND HANDLING

- Avoid inhaling any vapors. Do not rub your eyes, nose or mouth with areas that have been in contact with the substance. Avoid prolonged skin contact. Do not eat, drink or smoke in the work area. Decontaminate personal protective equipment before reuse. Wear safety goggles, gloves and all other items required by good industrial practices to prevent product contamination.
- Keep in properly labeled, sealed containers, away from potential sources of high temperatures (ignition or heat sources), preferably in the original packaging. Protect from direct light and store at room temperature. Do not store outdoors. Once opened, use as soon as possible.
- Stack jerrycans no more than two levels high.
- Avoid contact with eyes (see the Safety Data Sheet).
- Before using the product, consult the Safety Data Sheet and this Technical Data Sheet.

ADDITIONAL INFORMATION

- Zerachem Newsroom: https://zerachem.us/newsroom

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