



Technical Data Sheet

XIAMETER™ ACP-2000 Antifoam Compound

Foam control in aggressive foaming environments such as chemical pulping operations

Features & Benefits

- Provides performance benefits in nonaqueous defoamers typically associated with the benefits of aqueous silicone emulsions

Composition

- Liquid
- Silicone organic antifoam concentrate

Applications

- XIAMETER™ ACP-2000 Antifoam Compound is designed to be formulated into nonaqueous oil-based defoamers intended for controlling foam in aggressive foaming environments such as those typically encountered in chemical pulping operations

Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Property	Unit	Result
Appearance		Opaque with a slight yellow cast
Specific Gravity		~0.95
Viscosity at 25°C (77°F)	cps	2,000–5,000
Boiling Point	°C (°F)	> 100 (> 212)

Description

XIAMETER ACP-2000 Antifoam Compound is a 100 percent active silicone organic antifoam concentrate. Nonaqueous defoamers incorporating XIAMETER ACP-2000 Antifoam Compound will likely provide some of the performance benefits typically associated with aqueous silicone emulsions in applications where storage and handling of aqueous emulsions are not practical.

How To Use

Laboratory evaluations of XIAMETER ACP-2000 Antifoam Compound formulated into elementary nonaqueous oil-based defoamer formulations indicate efficacious performance at addition levels ranging from 5 to 15 weight percent of the total formulation. Of course, performance will vary both as a function of the use level and the formulation itself. Other components typically incorporated into an oil-based defoamer would include: siloxylated polyethers, hydrophobic silica, ethylene bis-stearamide, organic glycols, ethoxylated alcohols and other general dispersants.

Food Contact Applications

XIAMETER ACP-2000 Antifoam Compound is acceptable for use as a defoaming agent (or component of a defoaming agent) under FDA Regulation 21 CFR 176.210 and, by direct cross-reference, under 21 CFR 176.170 and 21 CFR 176.180. XIAMETER ACP-2000 Antifoam Compound also conforms to BGA recommendations XV, I.a, XXXVI, B VI.1 and LII.1.

Handling Precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT WWW.COSUMER.DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

Toxicological Information

Please refer to the Material Safety Data Sheet (MSDS) for XIAMETER ACP-2000 Antifoam Compound for information regarding product safety and handling.

Spills and Disposal of Product

Cleanup of industrial spills can be accomplished using a dry, absorbent material, which should be collected and disposed of per applicable local, state and federal regulations. Conventional industrial cleaning materials can be used to remove remaining traces of product after removal of the absorbent material.

Limitations

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

Health And Environmental Information

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, www.cosumer.dow.com or consult your local Dow representative.

<http://www.xiameter.com>

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