ELONMEK
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Technical Data Sheet
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223 / AC100 High-Content Silicone Defoamer Concentrate

Grades: 223, AC100 · Form: Silicone concentrate (dilutable) · Chemistry group: Silicone & Ether

1. Product description

High-content silicone defoamer concentrate that reaches full foam-control performance at low dosage. Easy to dilute, ready for manufacturers who prefer to cut their own batches.

2. Typical properties

Property	223	AC100
Appearance	White viscous emulsion	White viscous emulsion
Active content	≥95.0	≥90.0
Viscosity (25 °C, mPa·s)	500-3500	600-4000
pH	5.5-7.5	5.5-7.5
Ionic type	Non-ionic	Non-ionic

Values in the table are typical and indicative. They describe the grade as normally supplied and are not a contractual specification; the values confirmed for your order are those stated on the order confirmation.

3. Typical applications

Textile sizing · Industrial cleaning · Bioprocess fermentation · Wastewater treatment · Adhesives · Surfactant systems · Metalworking fluids · Polymer foaming systems

4. Product characteristics

· Fast foam-breaking speed
· Excellent water dispersibility
· Strong foam inhibition
· High-shear stability
· Dilution-stable below 80 °C

5. Addition and dilution

Typical addition is 0.05–0.5 % on the weight of the foaming system, established in your own trial at process temperature. Emulsion grades are normally diluted with water before addition and added continuously where the foam forms continuously. Diluted emulsions are used within the working shift; do not store them long term.

6. Packaging and storage

Supplied in the packing agreed for the order — drums, IBC totes or composite cartons for powder grades. Store in the closed original packing, out of direct sunlight, within 5–35 °C, and protect emulsions from freezing. Shelf life is stated on the product label; batches are traceable by lot number.

7. Safety and documentation

A model-specific GHS safety data sheet is issued on request for every model listed above; it is not reproduced here because classification follows the exact grade and the destination regulation. Handling guidance for the family: avoid eye and skin contact, use gloves and goggles, ensure ventilation, and do not discharge concentrates to drains.

8. Contact

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