ELONMEK
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Technical Data Sheet
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ST-50 / 861 High-Content Silicone Defoamer Concentrate

Grades: ST-50, 861 · Form: Silicone concentrate (dilutable) · Chemistry group: Silicone & Ether

1. Product description

High-content silicone concentrate for aqueous systems in the pH 7–14 range. 50% and 35% active grades let you tune cost against performance.

2. Typical properties

Property	ST-50	861
Appearance	White emulsion	White emulsion
Active content	50.0±1.0	35.0±1.0
Viscosity (25 °C, mPa·s)	500-3500	400-2500
pH	6.0-8.0	6.0-8.0
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 · Petrochemical · Emulsion polymerisation · Wastewater treatment · Power plant FGD · Dyeing and printing · Drilling mud · Surfactants · Detergents

4. Product characteristics

· Fast foam-breaking speed
· Excellent water dispersibility
· Strong foam inhibition
· High-shear stability
· Two active-content options

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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