ELONMEK
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Technical Data Sheet
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4807 Composite Polyether Defoamer

Grades: 4807 · Form: Compound concentrate · Chemistry group: Silicone & Ether

1. Product description

Propoxylated polyoxyethylene ether base compounded with modified fluorosilicone and hydrophilic silicone polyether. Universally compatible with water- and oil-based systems.

2. Typical properties

Property	4807
Appearance	Cloudy oily liquid
Active content	≥95.0
Viscosity (25 °C, mPa·s)	400-2000
pH	5.5-7.0
Density (g/cm³)	0.98-1.01

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

Metal cleaning, especially spray cleaning · Fermentation (antibiotics, citric acid, glutamic acid) · Cutting fluids · Petroleum extraction · Oil-water separation · Oilfield mud · High-temperature, strong-alkali systems

4. Product characteristics

· Universally compatible
· Strong alkali resistance
· High-temperature stable
· Effective break with long inhibition
· Self-disperses and self-emulsifies in water
· Removes foam from high-solids and fibre systems

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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