ELONMEK
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Technical Data Sheet
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218B / 218PF Silicone Polymer Emulsion Defoamer

Grades: 218B, 218PF · Form: Silicone polymer emulsion · Chemistry group: Silicone & Ether

1. Product description

Silicone-polymer emulsion defoamer built for salt, heat and shear. No oil-ring, no sediment, no haze, and it will not cloud the working fluid it is added to.

2. Typical properties

Property	218B	218PF
Appearance	White emulsion	White emulsion
Active content	30.0±1.0	32.0±1.0
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

Cutting fluids · Ammonia-nitrogen systems · Landfill leachate · Coarse fibre systems · Textile pretreatment · Crude oil extraction · Seawater desalination · Microbiological water treatment

4. Product characteristics

· Salt tolerant
· High-temperature stable
· Shear stable
· No oil ring / no sediment
· Excellent water solubility
· Does not impair clarity of the working fluid

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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