ELONMEK
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Technical Data Sheet
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DM07 / DM08 / DM100 Silicone-Grease Defoamer for Cutting Fluids

Grades: DM07, DM08, DM100 · Form: Emulsion and concentrate · Chemistry group: Silicone & Ether

1. Product description

Special silicone-grease system developed for metal cutting fluids. Balanced defoaming and inhibition, dilution-stable and shear-stable. Effective at small dosage without side effects on the finished fluid.

2. Typical properties

Property	DM07	DM08	DM100
Appearance	White emulsion	White emulsion	White emulsion
Active content	30.0±1.0	100.0	100.0
Ionic type	Non-ionic	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

Fully synthetic cutting fluids · Semi-synthetic cutting fluids · Emulsified oils · Metal wire drawing · Antifreeze / coolant · Textile dyeing and printing

4. Product characteristics

· Excellent balance of break and inhibition
· Dilution-stable
· Shear-stable
· Low dosage, minimal impact on the finished product
· Suited to fully and semi-synthetic 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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