ELONMEK
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Technical Data Sheet
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GP14 / GP14Y Composite Defoamer for Cutting Fluids

Grades: GP14, GP14Y · Form: Composite concentrate · Chemistry group: Silicone & Ether

1. Product description

Fluorosilicone composite defoamer for metalworking fluids. Less than 0.1% dosage suppresses foam continuously for up to 100 hours, and it self-emulsifies in water.

2. Typical properties

Property	GP14	GP14Y
Appearance	Cloudy oily liquid	Cloudy oily liquid
Active content	≥95.0	≥90.0
Viscosity (25 °C, mPa·s)	300-2000	300-2000
pH	5.5-7.5	5.5-7.5

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

High-temperature, high-shear systems · Strong alkali and acid systems · Emulsified oils · Metal wire drawing · Antifreeze / coolant · Textile dyeing and printing · Reactive dye processes

4. Product characteristics

· Continuous inhibition up to 100 hours at <0.1% dosage
· Self-disperses and self-emulsifies in water
· Strong alkali and acid resistance
· High-temperature stable
· 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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