ELONMEK
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Technical Data Sheet
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3014 / SX3000 Polyether Defoamer for Fermentation

Grades: 3014, SX3000 · Form: Polyether · Chemistry group: Polyether

1. Product description

Strong polyether defoamer from catalysed block polymerisation of propylene oxide and ethylene oxide. Non-toxic, no spotting, does not interfere with culture strains.

2. Typical properties

Property	3014	SX3000
Active content	≥99.0	≥99.0
pH	5.0-7.0	5.0-7.0
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

Biopharmaceutical · Microbial fermentation, especially citric acid · Synthetic lubricating oil · Chemical fibre · Pulp and paper · Dyeing and printing · PVA production washing · Oilfield drilling and mud

4. Product characteristics

· Non-toxic
· No spotting
· Low hygroscopicity
· Excellent chemical stability
· Does not affect culture requirements
· Usable as emulsifier

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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