ELONMEK
Tianjin Yining Meike Fine Chemical Co., Ltd.
No.197 Yuguan Road, Hebei District, Tianjin 300400, China

Technical Data Sheet
www.elonmek.com
fwj.tjs@gmail.com

4416 / 2308 Silicone-Free Mineral Oil Defoamer

Grades: 4416, 2308ink-grade · Form: Compound concentrate · Chemistry group: Mineral Oil & Polyether Ester

1. Product description

4416 is mineral oil with hydrophobic silica and dispersant; 2308 is mineral spirits with isoparaffinic oil and modified polyether. Acid/alkali resistant with degassing action in viscous media.

2. Typical properties

Property	4416	2308ink-grade
Appearance	Pale yellow cloudy liquid	Pale yellow cloudy liquid
Active content	≥95.0	≥95.0
Viscosity (25 °C, mPa·s)	400-2500	400-2500
Ionic type	Non-ionic	Non-ionic
Density (g/cm³)	0.85-0.95	0.85-0.95

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

Synthetic emulsions · Rubber and plastics polymerisation, coagulation and degassing · Resin products · Water-based coatings · Latex paint · Water-based inks (especially 2308) · Emulsion polymerisation · Polymer adhesives · Styrene-acrylic emulsions · Paper black liquor · Petrochemical processing

4. Product characteristics

· Suitable for both water- and oil-based systems
· Acid and alkali resistant
· Degassing function in high-viscosity liquids
· Effective break, excellent persistence
· Silicone-free

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

Tianjin Yining Meike Fine Chemical Co., Ltd.
No.197 Yuguan Road, Hebei District, Tianjin 300400, China
Email: fwj.tjs@gmail.com · Tel / WhatsApp: +86 185 2653 6999
Website: www.elonmek.com/contact — samples and application review on request.

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