

Lauryldimethylamine Oxide

CAS No.	EINECS No.	UN No.	Molecular Formula / Product Type
1643-20-5	216-700-6	3082	C14H31NO; 228.42 g/mol

Product Description

Lauryldimethylamine oxide is supplied as a nominal 30% aqueous surfactant. Its active content, free amine and color are controlled separately.

Specifications

Parameter	Specification
Appearance	Colorless to pale-yellow viscous liquid
Active content	30 ±2 %
Free amine	≤1 %
Color, APHA	≤50
pH, 10% solution	6.0–8.0

Applications

- Detergent blends: Assess foam and cleaning-system compatibility in the intended detergent blend.
- Personal-care cleansers: Evaluate the qualified grade in rinse-off cleanser formulations with the intended pH and surfactants.
- Viscosity adjustment: Compare electrolyte response and mixing order through small-scale formulation screening.

Packaging and Storage

Packaging	50 kg or 200 kg plastic drums.
Storage	Keep tightly closed in a cool, ventilated place protected from sunlight and excessive heat. Use compatible containers and prevent contamination. Avoid strong oxidizers.

Safety and Regulatory

Professional-use technical information. Review the corresponding reference SDS, workplace controls and destination-market requirements. Transport entries apply to the reference identity, form and concentration.

Company Contact

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The information is provided in good faith for professional evaluation. Specifications apply to the stated commercial grade; users must confirm suitability, regulatory compliance and safe handling for their intended application.