

Oleamidopropyl Dimethylamine

Fatty amidoamine raw material for specialty surfactants and oilfield formulations.

CAS No. 109-28-4	EC / List No. 203-661-5	Transport Class 8 — Corrosive
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Product Information

Oleamidopropyl dimethylamine contains an oleic-acid-derived amide group and a tertiary dimethylamine group linked through a propyl chain. Its long hydrocarbon chain and amine functionality make it a useful raw material for selected surfactant and interfacial systems.

Specifications

Parameter	Specification
Appearance at 25°C	Yellow to dark yellow liquid
Amine value	150–165 mg KOH/g
Free fatty acids	≤2.0 %
Colour, 25% ethanol solution	≤500 source scale

Colour value retains the specified ethanol dilution; the source does not identify a colour scale. Amine value is a supply parameter, not an assay percentage.

Typical Properties

Property	Typical Value
Molecular formula	C23H46N2O
Molecular weight	366.63 g/mol

Applications

Oilfield surfactant systems: Amidoamine component for selected thickening, foaming and acidizing formulation development. Evaluate salinity, acid response, temperature and flow behavior in the intended fluid.

Emulsification and flotation development: Interfacial raw material for selected emulsifiers and mineral processing agents. Screen substrate response, dispersion stability and compatibility with the complete additive package.

Downstream surfactant manufacture: Tertiary amidoamine intermediate for quaternary-ammonium and related specialty surfactant manufacture. Control reaction chemistry and qualify residual amines and finished-product requirements.

Packaging / Storage

Item	Information
Packing	50 kg / 200 kg drums
Storage	Store sealed in a cool, dry, ventilated place with secondary containment. Segregate strong acids and oxidizers; protect the material from moisture and excessive heat.
Handling	Transfer with controlled ventilation and splash protection. Wear chemical-resistant gloves, protective clothing and eye/face protection. Avoid skin contact, mist exposure and contamination of work areas; provide emergency washing facilities.

Company Contact

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