

Ethoxylated Tridecyl Alcohol Phosphate

Acid-form phosphate ester surfactant for emulsification, wetting and industrial formulation.

CAS No. 9046-01-9	EC / List No. 618-558-4	Transport Class 8 — Corrosive
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Product Information

Ethoxylated Tridecyl Alcohol Phosphate belongs to the ethoxylated tridecyl alcohol phosphate family. It provides anionic surfactant functionality when used in compatible systems, with emulsification, wetting and dispersion roles. The material contains an ethoxylation distribution rather than a single fixed small-molecule formula.

Specifications

Parameter	Specification
Appearance	Clear to hazy liquid
Colour, 50% in IPA	≤5 Gardner
Acid value	140–160 mg KOH/g
Active content	>99 % m/m
Water content	≤1 % m/m
Density at 20°C	Approximately 1,000 kg/m³
Viscosity at 20°C	Approximately 2,300 mPa·s

Colour retains IPA dilution and Gardner scale. Density and viscosity are typical values, not guaranteed limits. The supplied ethoxylated phosphate is described generically; the legacy URL is preserved.

Typical Properties

Property	Typical Value
Molecular formula	Variable ethoxylated phosphate composition
Molecular weight	Distribution varies with ethoxylation

Applications

Oilfield emulsification and dispersion: Phosphate ester for selected oilfield surfactant systems. Evaluate electrolyte tolerance, phase stability and compatibility with the intended drilling-fluid or other additive package.

Lubricants and cutting fluids: Acid-form emulsifier and wetting component for selected metalworking formulations. Adjust neutralization and verify emulsion stability, corrosion performance and material compatibility.

Industrial wetting and dispersion: Surfactant for compatible water-based formulations and selected agrochemical development. Qualify dispersion, foaming, electrolyte response and the finished formulation requirements.

Packaging / Storage

Item	Information
Packing	200 kg PE drums
Storage	Store tightly closed in compatible original containers in a cool, dry, ventilated area with secondary containment. Segregate strong oxidizers and alkalis; protect from excessive heat and contamination.
Handling	Use controlled liquid transfer with adequate ventilation. Wear acid-resistant gloves, protective clothing and eye/face protection. Avoid splashes and aerosol formation; provide eyewash and emergency washing facilities. Control heat during neutralization.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
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