

N,N-Dihydroxyethyl-p-toluidine (DEPT)

Tertiary aromatic amine activator for selected acrylic and unsaturated-resin curing systems.

CAS No. 3077-12-1	EC / List No. 221-359-1	Transport Non-dangerous goods
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Product Information

N,N-dihydroxyethyl-p-toluidine, abbreviated DEPT, is a tertiary aromatic amine with two hydroxyethyl groups. It is also known as p-tolyldiethanolamine and is identified by CAS 3077-12-1. It differs from dimethyl-p-toluidine and from mono-hydroxyethyl derivatives.

Specifications

Parameter	Specification
Appearance	Yellow liquid
Assay	≥98.0 %
Moisture	≤0.50 %
Related amines and non-volatile impurities, combined	≤1.50 %

Supply specifications follow the local 2026 ZXCHEM TDS and apply to the stated commercial grade. Test suitability in the intended process and complete formulation.

Typical Properties

Property	Typical Value
Molecular formula	C ₁₁ H ₁₇ NO ₂
Molecular weight	195.26 g/mol

Applications

Acrylic resin curing: Amine activator for selected acrylic cure systems. Evaluate initiator compatibility, working time, exotherm, colour and final conversion.

Unsaturated-resin formulations: Activator component for selected resin systems. Test cure speed and storage stability with the complete package under controlled conditions.

Specialty amine intermediates: Aromatic amino-alcohol intermediate for selected chemical development. Assess feed purity, reaction compatibility and downstream quality requirements.

Packaging / Storage

Item	Information
Packing	200 kg drums
Storage	Keep sealed in a cool, dry, ventilated place, protected from moisture and air. Segregate from oxidizers and store activators separately from peroxide initiators.
Handling	Use controlled transfer and ventilation where mist can form. Wear compatible chemical-resistant gloves, splash goggles and protective clothing; prevent skin contact, splashes and aerosol exposure.

Company Contact

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