

2-Ethylhexanol

Branched C8 alcohol for plasticizer, acrylate and industrial additive manufacture.

CAS No. 104-76-7	EC / List No. 203-234-3	Transport Class 9 (IATA); Non-dangerous goods (IMDG)
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Product Information

2-Ethylhexanol is a branched-chain alcohol with formula C₈H₁₈O and molecular weight 130.23 g/mol. The supplied grade is a clear colorless to pale yellow liquid. Its alcohol group and hydrophobic carbon chain make it an intermediate for ester and acrylate production.

Specifications

Parameter	Specification
Appearance	Clear, colorless to pale yellow liquid
2-Ethylhexanol purity	≥99.50 % wt
2-Ethyl-4-methylpentanol	≤0.40 % wt
Color	≤5 APHA
Water	≤0.05 % wt
Acidity as acetic acid	≤0.01 % wt
Aldehydes as 2-ethylhexaldehyde	≤0.02 % wt
Sulfuric-acid color	≤20 APHA
Specific gravity, 20/20°C	0.832–0.834

Supply limits refer to the identified ZXCHEM technical reference. Reference SDS properties describe the cited material and are not batch test results.

Typical Properties

Property	Typical Value
Molecular formula	C ₈ H ₁₈ O
Molecular weight	130.23 g/mol

Applications

Plasticizer ester manufacture: Alcohol intermediate for DOP, DOTP and TOTM plasticizer development. Review water, acidity and color limits against esterification and final plasticizer requirements.

Acrylate and polymer intermediates: Feedstock for 2-ethylhexyl acrylate and related chemical synthesis. Evaluate reaction control and downstream polymer performance for coatings, adhesives and other industrial systems.

Fuel and lubricant additive synthesis: Intermediate for ester and specialty-additive manufacture. Assess purity, compatibility and the requirements of the final fuel or lubricant formulation.

Packaging / Storage

Item	Information
Packing	170 kg drums / ISO tank
Storage	Store tightly closed in a cool, dry, ventilated area, away from heat, sparks and flame. Separate from strong oxidizers, strong acids and strong bases.
Handling	Use local ventilation and controlled liquid transfer. Avoid vapor or mist inhalation and splashes. Wear chemical-resistant gloves and splash goggles; control ignition and static discharge during bulk transfer.

Company Contact

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