

Product Data Sheet

2-Ethylhexanol (2-EH)

Description

Description	2-Ethylhexanol (2-EH) is a branched-chain C8 oxo-alcohol produced via hydroformylation and hydrogenation of propylene-derived olefins. It is the dominant oxo-alcohol by trade volume, serving primarily as the feedstock for DOP/DEHP and its increasingly favoured replacement DOTP plasticizers, alongside broader use as a solvent and chemical intermediate.
Applications	Feedstock for DOP/DEHP and DOTP plasticizer production Solvent for coatings, inks and specialty formulations Chemical intermediate for esters (e.g. 2-ethylhexyl acrylate) Lubricant additive and defoamer/surfactant intermediate synthesis
Grade	Industrial Grade, Min. 99.5% Assay
CAS No.	104-76-7

Key Benefits

1. High assay and low water content supporting consistent, high-yield ester/plasticizer synthesis
2. Widely available, actively traded commodity given sustained plasticizer-feedstock demand
3. Good solvency for coating and ink formulation applications
4. Consistent quality supporting reliable downstream processing

Chemical Analysis & Physical Data

Typical Specification

Parameter	Test Method	Unit	Specification
Assay (2-Ethylhexanol)	GC Method	wt%	Min. 99.5
Water Content	Karl Fischer Method	wt%	Max. 0.1
Colour (APHA/Pt-Co)	Visual/Colorimetric Method	–	Max. 10
Acidity (as Acetic Acid)	Titration Method	wt%	Max. 0.005
Carbonyl Content (as 2-EH Aldehyde)	Titration Method	wt%	Max. 0.1
Density @ 20°C	Density Meter	g/cm ³	0.832 – 0.836
Boiling Point	Distillation Range Method	°C	184 – 186
Appearance	Visual	–	Colourless clear liquid

Packaging

Packaging 200 kg (Net) HDPE/Steel Drums
1,000 L IBC Totes
Flexitank / ISO Tank for bulk liquid shipment
Custom packaging available on request.

Storage & Handling

1. Store in a cool, dry, well-ventilated area away from heat, sparks and open flame
2. Keep containers tightly closed to minimise evaporation and moisture pickup
3. Use explosion-proof electrical equipment where vapours may accumulate
4. Keep away from strong oxidising agents

Quality Assurance

1. Every batch is tested against the specification above before dispatch
2. A batch-specific Certificate of Analysis (COA) accompanies each shipment, reporting assay, water content and colour against this TDS
3. COA available on request prior to shipment for buyer pre-approval
4. Third-party inspection (SGS/Intertek) can be arranged on request for regulated-market shipments

Disclaimer: The information provided in this document is based on our current knowledge and is intended as a general guide. Ochnology Solution Pvt. Ltd. reserves the right to modify specifications without prior notice. Buyers are advised to conduct their own testing for specific applications. A batch-specific Certificate of Analysis (COA) is available on request for each shipment.