

OCTANOL

2-ETHYL-HEXANOL TECHNICAL GRADE

Last revision 2008

Chemical Name: Molecular formula: C₈ H₁₈O
 No. CAS: 104-76-7
 Abbreviation: Octanol

General Description:

The mixture of 2-ethyl-hexanol isomers is a colorless liquid with a specific odor. The product is little soluble in water. It is combustible and flammable.

By heating to decomposition, 2-ethylhexanol gives carbon monoxide and dioxide. It can also give irritant and corrosive gases.

Technical Quality Conditions:

Characteristics	M.U.	Values	Test methods
2 ethyl-hexanol isomers, min.	%	99.5	ILL-033/1-01-65
Distillation range (95% vol.)	°C	183-185	ASTM D 1078
Acidity (CH ₃ COOH), max.	%	0.01	ASTM D 1613
Water (Karl-Fischer), max.	%	0.1	ASTM E 203
Color, max.	Hazen Units	10	SR ISO 2211

Specific Properties:

Density, g/cm ³	0.832
Boiling temperature, °C	183-186
Ignition temperature, °C	75
Flammability	flammable

The specific properties present approximate values and contain general information, without being part of the technical quality conditions.

Main Applications:

- in plasticizers manufacturing;
- in synthetic lubricants manufacturing;
- in surfactants and antifoaming agents manufacturing;
- as low volatility solvent for vegetal and animal fats and vegetal and mineral oils;
- as wetting and dispersion agent for textiles;

Shipping Information:

- 20 or 40 tons stainless steel tanks.

Storage:

Store in cold, well ventilated areas, away from oxidizers and flammable sources. Flooring should be waterproof and inflammable, provided with water retaining and separating pails to avoid liquid spread in case of accidental leakage. In case of reservoirs storage, a nitrogen blanket and vents with flame traps are recommended.

Octanol can corrode aluminum at temperatures above 60°C. Consequently, it should never be stored, except at low temperatures, in tanks constructed from aluminum and its alloys.

Safety Considerations:

Please refer to the product Material Safety Data Sheet (MSDS) offering customers help to better satisfy their particular handling, safety and disposal needs and those that may be required by locally applicable health and safety regulations.

Warning:

Octanol is a toxic and flammable product.

At heating over 75 °C, octanol vapors give explosive mixtures with air.

Octanol vapors produce eyes and skin irritation, dizziness and headaches.

Attention:

Information contained in this document is provided to the best of our knowledge and experience.

Please contact OLTCHIM to see if the document has been revised.

Important:

For a better suitability of the product for your particular purpose, tests are recommended prior product use. You are advised to make your own determination as to safety, appropriate manner of handling, storage, use and disposal. All the information contained in this product technical sheet is offered for your consideration, investigation and verification. The data is presented in good faith and is believed to be reliable. You should not consider the descriptions, information, data or design as a part of our terms and conditions of sale. We expressly disclaim responsibility or liability for any loss, damage or expense arising out of non-compliance with the information provided herein.