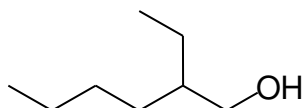


**Trade name**      **2-ETHYL HEXYL ALCOHOL**
**Chemical Name**      2-ETHYL-1-HEXANOL  
**Chemical Structure**       $\text{CH}_3(\text{CH}_2)_3\text{CH}(\text{CH}_2\text{CH}_3)\text{CH}_2\text{OH}$ 

**Molecular Formula**       $\text{C}_8\text{H}_{18}\text{O}$   
**Molecular Weight**      130.2  
**CAS RN<sup>®</sup>**      104-76-7  
**EINECS No.**      203-234-3  
**TSCA**      On Inventory

Specification	Item	Unit	Specification
	Appearance		Clear Liquid
	Color	APHA	10 max.
	Specific Gravity (20/20°C)		0.833 - 0.835
	Purity	Wt %	99.0 min.
	Water Content	Wt %	0.10 max.
		I.B.P.	180°C min.
	Distillation test	D.R. (181-185°C)	95 ml min.
		D.P.	186°C max.
	Acid Value	KOHmg/g	0.1 max.
	Iodine Value	Ig/100g	0.10 max.
	Aldehyde (as 2-Ethylhexylaldehyde)	%	0.10 max.

Physical Property	Item	Unit	
	Boiling Point	°C	184.7
	Specific Gravity (20/20°C)		0.834
	Melting Point	°C	-76.0
	Refractive Index ( $n_D^{20}$ )		1.429
	Viscosity (20°C)	mPa·s	9.8
	Flash Point (closed cup)	°C	78
	Vapor Density (Air=1)	°C	4.49
	Explosion Limits	Vol%	0.9 – 9.7
	Ignition Point	°C	270
	Solubility (in Water 20°C)	g/100g	0.1

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<b>Applications</b>	Plasticizers, Solvent for coatings and inks, Lubricants, Surfactants, Additives		
<b>Health Hazards</b>	Acute toxicity data on 2-ETHYL HEXYL ALCOHOL		
	Acute Toxicity	LD50(oral)	rat 2.05g/Kg
<b>Emergency and First Aid Procedure</b>	1)Skin Contact	Remove contaminated clothing. Wash the affected area with plenty of clean water and soap. If irritation develops, see a physician.	
	2)Eye Contact	Flush eyes with plenty of clean water for at least 15 minutes while holding eyelids open. If irritation develops, see a physician.	
	3)Inhalation	If a large amount is inhaled, remove individual(s) to fresh air.	
<b>Storage</b>	Tighten the cap of container and store in a cool, dry, well-ventilated, storage area of cabinet.		
<b>Extinguishing Media</b>	Water spray, Dry chemicals, Protein type air foams or carbon dioxide.		
<b>Packing</b>	170Kg 20MT	Iron drum ISO-Container	

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