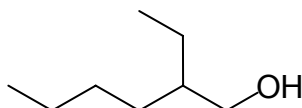


Trade name

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 No. 104-76-7

EINECS No. 203-234-3

TSCA On Inventory

Specification	Item	Unit	Specification	Method
	Appearance		Clear Liquid	
	Color	APHA	10 max.	JIS K 0071
	Specific Gravity (20/20°C)		0.833 - 0.835	JIS K 0061
	Purity	Wt %	99.0 min.	JIS K 0114
	Water Content	Wt %	0.10 max.	JIS K 0068
	Distillation test	I.B.P.	180°C min.	JIS K 0066
		D.R. (181-185°C)	95 ml min.	JIS K 0066
		D.P.	186°C max.	JIS K 0066
	Acid Value	KOHmg/g	0.1 max.	JIS K 0070
	Iodine Value	Ig/100g	0.10 max.	JIS K 0070
	Aldehyde (as 2-Ethylhexylaldehyde)	%	0.10 max.	JIS K 1525

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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Health Hazards	Acute toxicity data on 2-ETHYL HEXYL ALCOHOL			
	Acute Toxicity	LD50(oral)	rat	2.0-3.7g/Kg
Emergency and First Aid Procedure	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	Flash 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.		
Storage	Tighten the cap of container and store in a cool, dry, well-ventilated, storage area of cabinet.			
Extinguishing Media	Water spray, Dry chemicals, Protein type air foams or carbon dioxide.			
Packing	170Kg	Iron drum		
	20MT	ISO-Container		

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