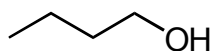


Trade name BUTYL ALCOHOL

Chemical Name 1-BUTANOL

Chemical Structure CH₃(CH₂)₃OH



Molecular Formula C₄H₁₀O

Molecular Weight 74.1

CAS No. 71-36-3

EINECS No. 200-751-6

TSCA On Inventory

Specification	Item	Unit	Specification	Method
	Appearance		Clear Liquid	
	Color	APHA	5 max.	JIS K 0071
	Specific Gravity (20/20°C)		0.810 - 0.814	JIS K 0061
	Purity	Wt %	99.0 min.	JIS K 0114
	Water Content	Wt %	0.10 max.	JIS K 0068
		I.B.P.	116.5°C min.	JIS K 0066
	Distillation test	D.R. (116.5-118.5°C)	98 ml min.	JIS K 0066
		D.P.	118.5°C max.	JIS K 0066
	Nonvolatile Matter	g/100ml	0.002 max.	JIS K 0067
	Free Acid (as acetic acid)	%	0.002 max.	JIS K 0070
	Aldehyde (as butyraldehyde)	%	0.05 max.	Hydroxylammonium Chloride

Physical Property	Item	Unit	
	Boiling Point	°C	117.7
	Specific Gravity (20/20°C)		0.811
	Melting Point	°C	-89.8
	Refractive Index (n _D ²⁰)		1.397
	Viscosity (20°C)	mPa·s	2.95
	Flash Point (closed cup)	°C	37
	Vapor Density (Air=1)	°C	4.3
	Explosion Limits	Vol%	1.4 - 11.2
	Ignition Point	°C	343

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Health Hazards	Acute toxicity data on BUTYL ALCOHOL		
	Acute Toxicity	LD50(oral)	rat 1,227mg/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	165Kg 20MT	Iron drum ISO-Container	

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