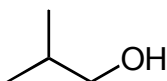


Trade name

# ISOBUTYL ALCOHOL

**Chemical Name** 2-METHYL-1-PROPANOL

**Chemical Structure** (CH<sub>3</sub>)<sub>2</sub>CHCH<sub>2</sub>OH



**Molecular Formula** C<sub>4</sub>H<sub>10</sub>O

**Molecular Weight** 74.1

**CAS No.** 78-83-1

**EINECS No.** 201-148-0

**TSCA** On Inventory

Specification	Item	Unit	Specification	Method
	Appearance		Clear Liquid	
	Color	APHA	10 max.	JIS K 0071
	Specific Gravity (20/20°C)		0.801 - 0.805	JIS K 0061
	Purity	Wt %	99.0 min.	JIS K 0114
	Water Content	Wt %	0.20 max.	JIS K 0068
		I.B.P.	106°C min.	JIS K 0066
	Distillation test	D.R. (106-109°C)	97 ml min.	JIS K 0066
		D.P.	109°C max.	JIS K 0066
	Nonvolatile Matter	g/100ml	0.005 max.	JIS K 0067
	Free Acid (as acetic acid)	%	0.005 max.	JIS K 0070

Physical Property	Item	Unit	
	Boiling Point	°C	107.9
	Specific Gravity (20/20°C)		0.803
	Melting Point	°C	-108
	Refractive Index (n <sub>D</sub> <sup>20</sup> )		1.394
	Viscosity (20°C)	mPa·s	3.9
	Flash Point (closed cup)	°C	28
	Vapor Density (Air=1)	°C	2.6
	Explosion Limits	Vol%	1.7 – 10.9
	Ignition Point	°C	415
	Solubility (in Water 20°C)	g/100g	8.7

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<b>Health Hazards</b>	Acute toxicity data on ISOBUTYL ALCOHOL			
	Acute Toxicity	LD50(oral)	rat	2,596mg/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	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.		
<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>	160Kg	Iron drum		
	20MT	ISO-Container		

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**Home page**

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