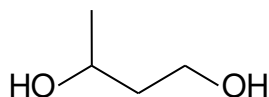


Trade name	1,3 - BUTYLENE GLYCOL
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Chemical Name	1,3-BUTYLENE GLYCOL
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Chemical Structure	CH ₃ CH(OH)CH ₂ CH ₂ OH
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Molecular Formula	C ₄ H ₁₀ O ₂
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Molecular Weight	90.1
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CAS RN®	107-88-0
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EINECS No.	203-529-7
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TSCA	On Inventory
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Specification	Item	Unit	Specification
	Appearance		Clear Liquid
	Color	APHA	10 max.
	Specific Gravity (20/20°C)		1.004 – 1.007
	Purity	Wt %	99.5 min.
	Water Content	Wt %	0.5 max.
	Distillation test	I.B.P.	200°C min.
		D.P.	215°C max.
	Free Acid (as acetic acid)	%	0.005 max.

Physical Property	Item	Unit	
	Boiling Point	°C	207.5
	Specific Gravity (20/20°C)		1.006
	Melting Point	°C	-77
	Refractive Index (n _D ²⁰)		1.439
	Viscosity (25°C)	mPa·s	104
	Flash Point (open cup)	°C	115
	Vapor Density (Air=1)	°C	3.1
	Explosion Limits	Vol%	1.9 – 12.6
	Ignition Point	°C	377
	Solubility (in Water 20°C)	g/100g	Completely Soluble
	Specific Heat(20°C)	J/mol·K	210.5
	Surface Tension(25°C)	N/cm	3.78 × 10 ⁻⁴

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Applications	Polymeric plasticizer, Unsaturated polyester, Polyurethane		
Health Hazards	Acute toxicity data on 1,3 - BUTYLENE GLYCOL		
	Acute Toxicity	LD50(oral)	rat 12.98g/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	200Kg	Iron drum	
	20MT	ISO-Container	

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