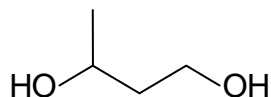


Trade name **1,3 - BUTYLENE GLYCOL - P**

Chemical Name 1,3-BUTYLENE GLYCOL

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



Molecular Formula C<sub>4</sub>H<sub>10</sub>O<sub>2</sub>

Molecular Weight 90.1

CAS No. 107-88-0

EINECS No. 203-529-7

TSCA On Inventory

Specification	Item	Unit	Specification
	Appearance		Clear Colorless Liquid Almost Odorless
	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.
	Distillate	v/v%	95 min.
	Sulfates	Wt %	0.005 max.
	Heavy metals	ppm	5 max.
	Arsenic	ppm	2 max.
	Residue on ignition	Wt %	0.05 max.
	pH		Neutral

Physical Property	Item	Unit	
	Boiling Point	°C	207.5
	Specific Gravity (20/20°C)		1.006
	Melting Point	°C	-77
	Refractive Index (n <sub>D</sub> <sup>20</sup> )		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

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<b>Health Hazards</b>	Acute toxicity data on 1,3 - BUTYLENE GLYCOL			
	Acute Toxicity	LD50(oral)	rat	18.61g/Kg
		LD50(oral)	mouse	12.98g/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>	200Kg	Iron drum		
	20MT	ISO-Container		

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**Home page**

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