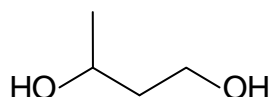


Trade name 1,3 - BUTYLENE GLYCOL

Chemical Name 1,3-BUTYLENE GLYCOL

Chemical Structure CH₃CH(OH)CH₂CH₂OH



Molecular Formula C₄H₁₀O₂

Molecular Weight 90.1

CAS No. 107-88-0

EINECS No. 203-529-7

TSCA On Inventory

Specification	Item	Unit	Specification	Method
	Appearance		Clear Liquid	
	Color	APHA	10 max.	JIS K 0071
	Specific Gravity (20/20°C)		1.004 – 1.007	JIS K 0061
	Purity	Wt %	99.5 min.	JIS K 0114
	Water Content	Wt %	0.5 max.	JIS K 0068
	Distillation test	I.B.P.	200°C min.	JIS K 0066
		D.P.	215°C max.	JIS K 0066
	Free Acid (as acetic acid)	%	0.005 max.	JIS K 0070

Specification meets or exceeds the current FCC and USP.

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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Health Hazards	Acute toxicity data on 1,3 - BUTYLENE GLYCOL			
	Acute Toxicity	LD50(oral)	mouse	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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