

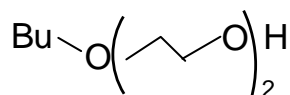


Trade name

DIETHYLENE GLYCOL MONOBUTYLEETHER

Chemical Name DIETHYLENE GLYCOL MONOBUTYL ETHER

Chemical Structure $\text{CH}_3(\text{CH}_2)_3\text{O}(\text{CH}_2\text{CH}_2\text{O})_2\text{H}$



Molecular Formula $\text{C}_8\text{H}_{18}\text{O}_3$

Molecular Weight 162.2

CAS No. 112-34-5

EINECS No. 203-961-6

TSCA On Inventory

Specification	Item	Unit	Specification	Method
	Appearance		Clear Liquid	
	Color	APHA	15 max.	JIS K 0071
	Specific Gravity (20/20°C)		0.952 - 0.956	JIS K 0061
	Purity	Wt %	99.0 min.	JIS K 0114
	Water Content	Wt %	0.10 max.	JIS K 0068
	Distillation test	I.B.P.	222°C min.	JIS K 0066
		D.R. (223-231°C)	95 ml min.	JIS K 0066
		D.P.	232°C max.	JIS K 0066
	Free Acid (as acetic acid)	%	0.01 max.	JIS K 0070

Physical Property	Item	Unit	
	Boiling Point	°C	230.6
	Specific Gravity (20/20°C)		0.954
	Melting Point	°C	-68.1
	Refractive Index (n_D^{20})		1.430
	Viscosity (20°C)	mPa·s	5.8
	Flash Point(open cup)	°C	117
	Vapor Density (Air=1)	°C	5.6
	Explosion Limits	Vol%	0.4 – 24.6
	Ignition Point	°C	204
	Solubility (in Water 20°C)	g/100g	Completely Soluble
	Specific Heat (20°C)	J/mol·K	371.44
	Surface Tension (25°C)	N/cm	3.36×10^{-4}

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Health Hazards	Acute toxicity data on DIETHYLENE GLYCOL MONOBUTYL ETHER			
	Acute Toxicity	LD50(oral)	mouse	2.406g/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	190Kg	Iron drum		
	20MT	ISO-Container		

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