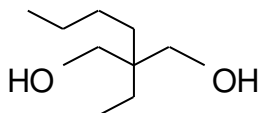


Trade name **2 - BUTYL - 2 -ETHYL - 1,3 -PROPANEDIOL
(BEPG)**

Chemical Name 2-BUTYL-2-ETHYL-1,3-PROPANEDIOL

Chemical Structure HOCH₂C(C₂H₅)(C₄H₉)CH₂OH



Molecular Formula C₉H₂₀O₂

Molecular Weight 160.3

CAS RN[®] 115-84-4

EINECS No. 204-111-7

TSCA On Inventory

Specification	Item	Unit	Specification
	Appearance		Slightly Yellow Solid
	Water Content	Wt %	0.5 max.
	Free Acid (as formic acid)	%	0.04 max.
	Color of molten material	APHA	20 max.
	Melting Point	°C	40 min.
	Hydroxyl Contents	%	20.5 min.
	Purity	Wt %	99.0 min.

Physical Property	Item	Unit	
	Boiling Point	°C	260 101.3kPa=760mmHg
	Boiling Point	°C	103-106 0.13kPa=1mmHg
	Specific Gravity (50/20°C)		0.924
	Melting Point	°C	43
	Viscosity (100°C)	mPa·s	8.5
	Flash Point (open cup)	°C	139
	Ignition Point	°C	310
	Solubility (in Water 18°C)	g/100g	1.1

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Applications	Polyurethane resins, Polyester resins, Alkyd resins, Powder Coating Resins		
Health Hazards	Acute toxicity data on 2 - BUTYL - 2 -ETHYL - 1,3 - PROPANEDIOL		
	Acute Toxicity	LD50(oral)	rat 5,040mg/Kg
		LD50(dermal)	rabbit 3,810mg/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	180Kg	Iron drum	
	20MT	ISO-Container	

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