

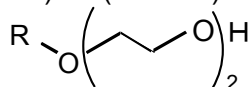


DIETHYLENE GLYCOL MONO-2-ETHYLHEXYLETHER (KYOWANOLOX20)

Trade name

Chemical Name DIETHYLENE GLYCOL MONO-2-ETHYL HEXYL ETHER

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



R=2-ethyl hexyl

Molecular Formula $\text{C}_{12}\text{H}_{26}\text{O}_3$

Molecular Weight 218.3

CAS No. 1559-36-0

ELINCS No. 437-540-5

TSCA On Inventory

Specification	Item	Unit	Specification	Method
	Appearance		Clear Liquid	
	Color	APHA	30 max.	JIS K 0071
	Specific Gravity (20/20°C)		0.921 - 0.931	JIS K 0061
	Purity	Wt %	95.0 min.	JIS K 0114
	Water Content	Wt %	0.10 max.	JIS K 0068
	Free Acid (as acetic acid)	%	0.01 max.	JIS K 0070

Physical Property	Item	Unit	
	Boiling Point	°C	277.0
	Specific Gravity (20/20°C)		0.924
	Melting Point	°C	-82.0
	Refractive Index (n_D^{20})		1.440
	Viscosity (20°C)	mPa·s	11.8
	Flash Point (open cup)	°C	151
	Vapor Density (Air=1)	°C	7.5
	Ignition Point	°C	196
	Solubility (in Water 20°C)	g/100g	0.2
	Specific Heat (20°C)	J/mol·K	499.91
	Surface Tension (20°C)	N/cm	3.23×10^{-4}

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Health Hazards	Acute toxicity data on DIETHYLENE GLYCOL MONO-2-ETHYL HEXYL ETHER			
	Acute Toxicity	LD50(oral)	rat	5.53ml/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		

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