

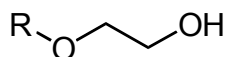


ETHYLENE GLYCOL MONO-2-ETHYL HEXYL ETHER (KYOWANOL OX)

Trade name

Chemical Name ETHYLENE GLYCOL MONO-2-ETHYL HEXYL ETHER

Chemical Structure $\text{CH}_3(\text{CH}_2)_3\text{CH}(\text{CH}_2\text{CH}_3)\text{CH}_2\text{OCH}_2\text{CH}_2\text{OH}$



R=2-ethylhexyl

Molecular Formula $\text{C}_{10}\text{H}_{22}\text{O}_2$

Molecular Weight 174.3

CAS No. 1559-35-9

EINECS No. 216-323-7

TSCA On Inventory

Specification	Item	Unit	Specification	Method
	Appearance		Clear Liquid	
	Color	APHA	20 max.	JIS K 0071
	Specific Gravity (20/20°C)		0.881 - 0.891	JIS K 0061
	Purity	Wt %	99.0 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	228.6
	Specific Gravity (20/20°C)		0.885
	Melting Point	°C	-77.0
	Refractive Index (n_D^{25})		1.434
	Viscosity (20°C)	mPa·s	9.0
	Flash Point (open cup)	°C	114
	Vapor Density (Air=1)	°C	6.0
	Ignition Point	°C	194
	Solubility (in Water 20°C)	g/100g	0.1
	Specific Heat (20°C)	J/mol·K	550.79
	Surface Tension (25°C)	N/cm	3.12×10^{-4}

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Health Hazards	Acute toxicity data on ETHYLENE GLYCOL MONO-2-ETHYL HEXYL ETHER			
	Acute Toxicity	LD50(oral)	rat	3.08g/Kg
		LD50(dermal)	rabbit	2.12ml/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	185Kg	Iron drum		

Kyowa Hakko Chemical Co.,Ltd.	Kyowa Hakko USA, Inc	Kyowa Hakko Europe GmbH	Kyowa Hakko Industry (Singapore) Pte. Ltd.
3-2-15 Nihonbashi-Muromachi, Chuo-ku, Tokyo, 103-0022, Japan Tel: +81-3-3510-3552 Fax: +81-3-3510-3571	767 Third Avenue, 19th Fl. New York, NY 10017, USA Tel: +1-212-319-5353 Fax: +1-212-421-1283	Immermannstr. 3 D-40210 Dusseldorf Germany Tel: +49-211-17-728-0 Fax: +49-211-17-728-41	260 Orchard Road #12-04 The Heeren, Singapore 238855 Tel: +65-6733-4948 Fax: +65-6733-0819

Kyowa Hakko Chemical Co.,Ltd.
Shanghai Representative Office
8 Xingyi Road MaxDo Bldg., Room
908, Changning District, Shanghai
200336, China
Tel: +86-21-5208-0009
Fax: +86-21-5208-0130

Home page

www.kyowachemical.co.jp

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