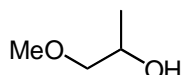


PROPYLENE GLYCOL MONOMETHYL ETHER-P (PM-P)

Trade name

Chemical Name PROPYLENE GLYCOL MONOMETHYL ETHER

Chemical Structure CH₃OCH₂CH(CH₃)OH



Molecular Formula C₄H₁₀O₂

Molecular Weight 90.1

CAS No. 107-98-2

EINECS No. 203-539-1

TSCA On Inventory

Specification	Item	Unit	Specification	Method
	Appearance		Clear Liquid	
	Color	APHA	10 max.	JIS K 0071
	Specific Gravity (20/20°C)		0.920 - 0.925	JIS K 0061
	Purity	Wt %	99.5 min.	JIS K 0114
	Water Content	Wt %	0.05 max.	JIS K 0068
	Nonvolatile Matter	g/100ml	0.001 max.	JIS K 0067
	Free Acid (as acetic acid)	%	0.01 max.	JIS K 0070
	Metal	(ppb)		ICP-MS
	K 5 max. Fe 10 max. Na 10 max. Ca 5 max. Cu 5 max.			
	Mg 5 max. Mn 5 max. Al 5 max. Cr 5 max. Ni 5 max.			

Physical Property	Item	Unit	
	Boiling Point	°C	121.0
	Specific Gravity (20/20°C)		0.922
	Melting Point	°C	-95.0
	Refractive Index (n _D ²⁰)		1.404
	Viscosity (20°C)	mPa·s	1.9
	Flash Point (closed cup)	°C	33
	Vapor Density (Air=1)	°C	3.1
	Explosion Limits	Vol%	3.0 – 12.0
	Ignition Point	°C	276
	Solubility (in Water 20°C)	g/100g	Completely Soluble
	Specific Heat (25°C)	J/mol·K	230.11

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Health Hazards	Acute toxicity data on PROPYLENE GLYCOL MONOMETHYL ETHER - P		
	Acute Toxicity	LD50(oral)	rabbit >1.84g/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	20MT 180Kg	ISO-Container Steel drum with Polyethylene Inner Container / Plastic 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	767 Third Avenue, 19th Fl. New York, NY 10017, USA	Immermannstr. 3 D-40210 Dusseldorf Germany	260 Orchard Road #12-04 The Heeren, Singapore 238855
Tel: +81-3-3510-3552	Tel: +1-212-319-5353	Tel: +49-211-17-728-0	Tel: +65-6733-4948
Fax: +81-3-3510-3571	Fax: +1-212-421-1283	Fax: +49-211-17-728-41	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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