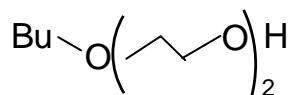


**Trade name** DIETHYLENE GLYCOL MONOBUTYLETHER - S

**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
	Nonvolatile Matter	g/100ml	0.01 max.	JIS K 0067
	Free Acid (as acetic acid)	%	0.01 max.	JIS K 0070
	Metal	(ppb)		ICP-MS
	K 10 max.	Fe 10 max.	Na 10 max.	Ca 10 max.
	Mg 10 max.	Mn 10 max.	Al 10 max.	Cr 10 max.
				Ni 10 max.

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

This information is furnished without warranty, express or implied, except that it is accurate to the best knowledge of Kyowa Hakko Chemical Co., LTD. It relates only to the specific material designated herein, and does not relate to use in combination with any other material or any process. Kyowa Hakko Chemical Co., LTD. assumes no legal responsibility for use of or reliance upon this information.

<b>Health Hazards</b>	Acute toxicity data on DIETHYLENE GLYCOL MONOBUTYL ETHER - S			
	Acute Toxicity	LD50(oral)	mouse	2.406g/Kg
<b>Emergency and First Aid Procedure</b>	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.		
<b>Storage</b>	Tighten the cap of container and store in a cool, dry, well-ventilated, storage area of cabinet.			
<b>Extinguishing Media</b>	Water spray, Dry chemicals, Protein type air foams or carbon dioxide.			
<b>Packing</b>	20MT	ISO-Container		
	190Kg	Steel drum with Polyethylene Inner Container / Plastic Drum		

<b>Kyowa Hakko Chemical Co.,Ltd.</b>	<b>Kyowa Hakko USA, Inc</b>	<b>Kyowa Hakko Europe GmbH</b>	<b>Kyowa Hakko Industry (Singapore) Pte. Ltd.</b>
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](http://www.kyowachemical.co.jp)

This information is furnished without warranty, express or implied, except that it is accurate to the best knowledge of Kyowa Hakko Chemical Co., LTD. It relates only to the specific material designated herein, and does not relate to use in combination with any other material or any process. Kyowa Hakko Chemical Co., LTD. assumes no legal responsibility for use of or reliance upon this information.