

**PHYSICO-CHEMICAL AND HAZARDOUS PROPERTIES OF GLYCOL ETHERS**

Glycol ether	Chemical Name	Synonyms	CAS no.	Boiling point (°C)	Autoignition temperature (°C)	Flash point (°C)	Refractive index 25°C	Relative density (20°C)	Water solubility g/l (20°C)	Vapour pressure (20°C)	Partition Coefficient Log Kow (20°C)
EGME	2-methoxyethanol	Methyl glycol Ethylene glycol methyl ether	109-86-4	124	285	42 (CC)	1.4	0.965	Fully miscible	8.5 hPa	0.77
DEGME	2-(2-methoxyethoxy) ethanol	Diethylene glycol methyl ether Methyldiglycol	111-77-3	193	215	91 (CC)	1.427	1.02	Fully miscible	24 Pa (25°C)	-0.47
TEGME	2-(2-(2-methoxyethoxy)-ethoxy) ethanol	Triethyleneglycol (mono) methyl ether Methyltriglycol	112-35-6	250	210	110 (CC)		1.049	Fully miscible	1 Pa (25°C)	-1.12
DEGEE	2-(2-ethoxyethoxy)ethanol	Diethylene glycol ethyl ether Ethyl diglycol	111-90-0	196	204	91 (OC)	1.42-1.46	0.998	Fully miscible	17 Pa	-0.54
TEGEE	2-(2-(2-ethoxyethoxy)-ethoxy) ethanol	Triethylene glycol ethyl ether Ethyltriglycol	112-50-5	256	202 – 210 (calculated)	135 (OC)	1.438-1.442	1.02	Fully miscible	1 Pa	-0.5
EGiPE	2-isopropoxyethanol	Ethylene glycol isopropyl ether Isopropylglycol	109-59-1	145	240	45 (CC)	1.407	0.903	Fully miscible	378Pa	0.43
EGnPE	2-(propoxy)ethanol	Ethylene glycol propyl ether	2807-30-9	147	256	51 (CC)	1.412	0.911	Fully miscible	643 Pa (25°C)	0.673
EGBE	2-butoxyethanol	Ethylene glycol butyl ether	111-76-2	171	230	67 (CC)	1.417	0.900	Fully miscible	117 Pa	0.81
EGBEA	2-butoxyethanol acetate	Ethylene glycol butyl ether acetate Butylglycolacetate	112-07-2	192	280	78 (CC)	1.414	0.942	15	50 Pa	1.51
DEGBE	2-(2-butoxyethoxy) ethanol	Diethylene glycol butyl ether Butoxydiglycol; Diglycol butyl ether	112-34-5	230	210	115 (CC)	1.432	0.955	Fully miscible	2.9 Pa	1.0
DEGBEA	2-(2-butoxyethoxy) ethyl acetate	2-(2-butoxyethoxy) ethanol acetate	124-17-4	245	265	102 (CC)	1.426	0.977	65	0.5 Pa	1.7
TEGBE	2-[2-(2-butoxyethoxy)ethoxy] ethanol	Triethylene glycol butyl ether	143-22-6	278	202	131 (CC)	1.44	0.989	Fully miscible	0.33 Pa (25°C)	0.51
EGHE	2-hexyloxyethanol	Ethylene glycol hexyl ether Hexylglycol	112-25-4	209	225	91.5 (CC)	1.429	0.888	9.5	10 Pa (23°C)	1.97 (25°C)
DEGHE	2-(2-hexyloxyethoxy)ethanol	Diethylene glycol (mono-n-)hexyl ether	112-59-4	262	211	135 (CC)	1.437	0.94	17	0.22 Pa	1.7
EGPhE	2-phenoxyethanol	Ethylene glycol monophenyl ether	122-99-6	244	475	126 (CC)	1.536	1.11	25-29	1.4 Pa	1.1
PGME	1-methoxy-2-propanol	Propylene glycol methyl ether Methoxy(iso)propanol	107-98-2	120	287	31 (OC)	1.402	0.92	Fully miscible	11.3 hPa	-0.44
PGMEA	1-methoxy-2-propanol acetate	Propylene glycol methyl ether acetate	108-65-6	146	333	45 (CC)	1.402	0.967	198	3.6 hPa	0.43
DPGME	(2-methoxymethylethoxy)propanol	Dipropylene glycol methyl ether	34590-94-8	207	205	75(CC)	1.419	0.954	Fully miscible	0.25 hPa	0.0043 (25°C)
DPGMEA											
TPGME	[2-(2-methoxymethylethoxy) methylethoxy] propanol	Tripropylene glycol methyl ether	25498-49-1	243	277	124 (CC)	1.428	0.965	Fully miscible	2.8 Pa (25°C)	0.0801 (21°C)
PGEE	1-ethoxy-2-propanol	Proylene glycol ethyl ether	1569-02-4	132	255	40 (CC)	1.404	0.897	Fully miscible	10 hPa	0
PGEEA	2-ethoxy-1-methylethyl acetate	Propylene glycol ethyl ether acetate	54839-24-6	155	325	53 (CC)	1.442	0.941	69.6 (18°C)	2.03 hPa	0.76 (22°C)
DPGEE	2-ethoxymethylethoxy)-propanol	Ethoxypropoxypropanol	30025-38-8	194	199	82 (CC)	1.421	0.932	Fully miscible	56.67 Pa (25°C)	0.16
PGnPE	1-propoxypropan-2-ol	Propylene Glycol n-propyl Ether	1569-01-3	149	252	46 (CC)		0.885	Fully miscible	3.8 hPa (25°C)	0.621

DPGnPE	1-(1-methyl-2-propoxyethoxy)propan-2-ol	Dipropylene glycol mono propyl ether	29911-27-1	212	205	94 (CC)	1.424	0.921	150	0.11 hPa	0.89 (22°C)
PGBE	1-butoxy-2-propanol	Propylene glycol butyl ether	5131-66-8	171	260	63 (CC)	1.418	0.88	52	1.4 hPa (25°C)	1.2
DPGBE	1-(2-butoxy-1methylethoxy)-2-propanol	DPnB, Dipropylene glycol butyl ether	29911-282	230	195	100 (CC)	1.427	0.91	40	4 Pa	1.523
TPGBE	[(butoxymethylethoxy)methylethoxy]-1-propanol	TPnB, Tripropylene glycol-n-butyl ether	55934-93-5	275	202	126 (CC)	1	0.93	40.2	0.2 Pa	1.896
PGPhE	1-phenoxy-2-propanol	Phenoxyisopropanol Dipropylene glycol phenyl ether	770-35-4	241	480	115 (CC)	1.522	1.06	15.1	0.01	1.41 (24°C)

**Main sources:** Boiling point, density, solubility, vapour pressure, partition coefficient, autoignition, flash point: ECHA dissemination website (<http://echa.europa.eu/information-on-chemicals/registered-substances>)

Refractive index: Patty's Toxicology (5<sup>th</sup> ed), Chapter 86&87, ed Bingham et al (2001), Wiley & Sons

**Notes:** Flash point: OC = open cup, CC = closed cup