Glycol Ethers I

SYNOPSIS

	Trade Name	Product Name	Chemical Name	Structure	Packing(drum, kg)
E-Series	Methyl Glycol	**MG**	Ethylene Glycol Monomethyl Ether	CH_3-O-CH_2CH_2-OH	200
	Methyl Di Glycol	**MDG**	Diethylene Glycol Monomethyl Ether	CH_3-$(OCH_2CH_2)_2$-OH	200
	Methyl Tri Glycol	**MTG**	Triethylene Glycol Monomethyl Ether	CH_3-$(OCH_2CH_2)_3$-OH	200
	Methyl Poly Glycol	**MPG**	Polyethylene Glycol Monomethyl Ether	CH_3-$(OCH_2CH_2)_n$-OH	200
	Ethyl Glycol	**EC**	Ethylene Glycol Monoethyl Ether	C_2H_5-O-CH_2CH_2-OH	190
	Ethyl Di Glycol	**EDG**	Diethylene Glycol Monoethyl Ether	C_2H_5-$(OCH_2CH_2)_2$-OH	200
	Ethyl Tri Glycol	**ETG**	Triethylene Glycol Monoethyl Ether	C_2H_5-$(OCH_2CH_2)_3$-OH	200
	Ethyl Poly Glycol	**EPG**	Polyethylene Glycol Monoethyl Ether	C_2H_5-$(OCH_2CH_2)_n$-OH	200
	Butyl Glycol	**BG**	Ethylene Glycol Monobutyl Ether	C_4H_9-O-CH_2CH_2-OH	180
	Butyl Di Glycol	**BDG**	Diethylene Glycol Monobutyl Ether	C_4H_9-$(OCH_2CH_2)_2$-OH	200
	Butyl Tri Glycol	**BTG**	Triethylene Glycol Monobutyl Ether	C_4H_9-$(OCH_2CH_2)_3$-OH	200
	Butyl Poly Glycol	**BPG**	Polyethylene Glycol Monobutyl Ether	C_4H_9-$(OCH_2CH_2)_n$-OH	200
P-Series	Methyl Propylene Glycol	**MFG**	Propylene Glycol Monomethyl Ether	CH_3-OCH_2CHCH_3-OH	185
	Methyl Propylene Di Glycol	**MFDG**	Dipropylene Glycol Monomethyl Ether	CH_3-$(OCH_2CHCH_3)_2$-OH	195
	Methyl Propylene Tri Glycol	**MFTG**	Tripropylene Glycol Monomethyl Ether	CH_3-$(OCH_2CHCH_3)_3$-OH	200

Glycol Ethers I

PHYSICAL PROPERTY

Product Name	Molecular Weight	Boiling Point (°c, 760mmHg)	Vapor Pressure (mmHg, 20°c)	Freezing Point (°c)	Flash Point (°c)	Specific Gravity (20/20°c)	Viscosity at 20°c (mPa*s)	Color APHA (max.)	Latent heat of evaporation (cal/g)	Acidity as AcOH (max. %)	Water (max. %)	Refractive Index (nD^{20})	Solubility at 20 °c(%)		Distillation(°c)		CAS No.
													in water	water in	I.P.(min.)	D.P.(max.)	
MG	76.1	124.5	6.2	-70 below	39	0.965-0.968	1.7	10	124.0	0.01	0.1	1.4021	∞	∞	123.5	125.5	109-86-4
MDG	120.15	194	0.1	-70 below	96	1.021-1.026	3.9	10	95.0	0.01	0.1	1.4263	∞	∞	191.0	198.0	111-77-3
MTG	164.21	249	<0.01	-44	139	1.047-1.055	7.5	20	78.0	0.02	0.2	1.4266	∞	∞	Equilibrium Reflux Boiling Point 240 min		112-35-6
MPG	-	295	-	-35 below	182	1.055-1.075	-	150	-	0.02	0.2	-	∞	∞	275 min		23783-42-8
EC	90.12	135	3.8	-70 below	43	0.930-0.933	2.1	10	107.0	0.01	0.1	1.4077	∞	∞	134.0	137.0	110-80-5
EDG	134.2	201	0.1	-70 below	91	0.988-0.993	4.5	10	84.0	0.01	0.1	1.4273	∞	∞	198.0	205.0	111-90-0
ETG	178.23	256	<0.01	-21	129	1.017-1.023	7.8	20	71.0	0.02	0.2	1.4376	∞	∞	245 min		112-50-5
EPG	-	-	<0.01	-	152	1.035-1.045	-	150	-	0.02	0.2	-	∞	∞	275 min		27879-07-8
BG	118.18	171.2	0.6	-70 below	63	0.900-0.904	3.5	10	88.0	0.01	0.1	1.4193	∞	∞	167.0	173.0	111-76-2
BDG	162.23	230.6	0.01	-70 below	120	0.952-0.956	6.5	15	73.0	0.01	0.1	1.4316	∞	∞	225.0	235.0	112-34-5
BTG	206.29	271.2	<0.01	-48	156	0.985-1.000	8.1	70	64.0	0.02	0.2	1.4381	∞	∞	265 min		143-22-6
BPG	-	300 up	<0.01	-	176	1.005-1.015	-	150	-	0.02	0.2	-	∞	∞	280 min		1559-34-8
MFG	90.12	121	7.6	-95	32	0.920-0.925	1.9	10	108.0	0.01	0.1	1.4036	∞	∞	117.0	125.0	107-98-2
MFDG	148.21	187.2	0.06	-80	76	0.950-0.960	5.2	15	73.0	0.01	0.2	1.4213	∞	∞	186.0	195.0	34590-94-8
MFTG	206.28	242.4	0.02	-79	113	0.964-0.974	8.0	20	60.0	0.02	0.2	1.4280(25°C)	∞	∞	228.0	255.0	20324-33-8

Glycol Ethers Ⅱ

SYNOPSIS

	Trade Name	Product Name	Chemical Name	Structure	Packing(drum, kg)
E-Series	iso-Propyl Glycol	**iPG**	Ethylene Glycol Monoisopropyl Ether	$(CH_3)_2CH\text{-}O\text{-}CH_2CH_2\text{-}OH$	180
	iso-Butyl Glycol	**iBG**	Ethylene Glycol Monoisobutyl Ether	$(CH_3)_2CHCH_2\text{-}O\text{-}CH_2CH_2\text{-}OH$	180
	iso-Butyl Di Glycol	**iBDG**	Diethylene Glycol Monoisobutyl Ether	$(CH_3)_2CHCH_2\text{-}(OCH_2CH_2)_2\text{-}OH$	200
	Hexyl Glycol	**HeG**	Ethylene Glycol Monohexyl Ether	$C_6H_{13}\text{-}O\text{-}CH_2CH_2\text{-}OH$	180
	Hexyl Di Glycol	**HeDG**	Diethylene Glycol Monohexyl Ether	$C_6H_{13}\text{-}(OCH_2CH_2)_2\text{-}OH$	200
	2-Ethyl Hexyl Glycol	**EHG**	Ethylene Glycol Mono 2-Ethylhexyl Ether	$C_4H_9(C_2H_5)CHCH_2\text{-}O\text{-}CH_2CH_2\text{-}OH$	180
	2-Ethyl Hexyl Di Glycol	**EHDG**	Diethylene Glycol Mono 2-Ethylhexyl Ether	$C_4H_9(C_2H_5)CHCH_2\text{-}(OCH_2CH_2)_2\text{-}OH$	200
	Allyl Glycol	**AG**	Ethylene Glycol Monoallyl Ether	$CH_2{=}CHCH_2\text{-}O\text{-}CH_2CH_2\text{-}OH$	180
	Allyl Glycol-H	**AG-H**	A Mixture of AG and Other Glycol Ethers		180
	Phenyl Glycol	**PhG**	Ethylene Glycol Monophenyl Ether	$C_6H_5\text{-}O\text{-}CH_2CH_2\text{-}OH$	200
	Phenyl Di Glycol	**PhDG**	Diethylene Glycol Monophenyl Ether	$C_6H_5\text{-}(OCH_2CH_2)_2\text{-}OH$	200
P-Series	Butyl Propylene Glycol	**BFG**	Propylene Glycol Monobutyl Ether	$C_4H_9\text{-}OCH_2CHCH_3\text{-}OH$	180
	Butyl Propylene Di Glycol	**BFDG**	Dipropylene Glycol Monobutyl Ether	$C_4H_9\text{-}(OCH_2CHCH_3)_2\text{-}OH$	200
	Methyl Propylene Glycol Acetate	**MFG-AC**	Propylene Glycol Monomethyl Ether Acetate	$CH_3\text{-}OCH_2CHCH_3\text{-}OOCCH_3$	190

Glycol Ethers Ⅱ

PHYSICAL PROPERTY

Product Name	Molecular Weight	Boiling Point (°c, 760mmHg)	Vapor Pressure (mmHg, 20°c)	Freezing Point (°c)	Flash Point (°c)	Specific Gravity (20/20°c)	Viscosity at 20°c (mPa*s)	Color APHA (max.)	Latent heat of evaporation (cal/g)	Acidity as AcOH (max. %)	Water (max. %)	Refractive Index (nD^{20})	Solubility at 20 °c(%)		Distillation(°c)		CAS No.
													in water	water in	I.P.(min.)	D.P.(max.)	
iPG	104.15	141.8	2.3	-70 below	46	0.9053	2.8	10	94.0	0.01	0.2	1.4091	∞	∞	139.0	145.0	109-59-1
iBG	118.18	160.5	1.0	-70 below	56	0.8925	2.9	10	85.0	0.01	0.2	1.414	∞	∞	157.0	167.0	4439-24-1
iBDG	162.23	220	0.01	-70 below	112	0.9467	5.2	15	71.0	0.01	0.2	1.4373	∞	∞	210.0	230.0	18912-80-6
HeG	146.23	208.1	0.1	-50	102	0.8887	5.2	15	87.0	0.01	0.2	1.429	1.0	18.8	200.0	215.0	112-25-4
HeDG	190.29	259.1	<0.01	-40	141	0.9346	8.6	25	66.0	0.01	0.2	1.437	1.7	56.3	250.0	270.0	112-59-4
EHG	174.27	229	-	-60 below	114	0.8833	7.6	10	-	0.01	0.2	1.4362	0.2	5.2	220.0	235.0	1559-35-9
EHDG	218.32	272	<0.1	-50 below	151	0.9234	10.4	30	-	0.01	0.2	1.442	0.3	12.5	Equilibrium Reflux Boiling Point 265 min		1559-36-0
AG	102.14	159	-	-60 below	60	0.956	2.3	10	-		0.2	1.4357	∞	∞	156.0	165.0	111-45-5
PhG	138.17	244.7	0.01	14	135	1.1094	30.5	15	72.0	0.01	0.2	1.5386	2.7	10.8	240.0	255.0	122-99-6
PhDG	188.22	283	<0.01	-30 below	160	1.119	-	50	-	0.01	0.2	-	3.4	24.4	-	-	104-68-7
BFG	132.21	170.2	0.6	-80	62	0.88	3.4	20	94.0	0.02	0.2	1.4173	6.4	15.5	218.0	238.0	5131-66-8
BFDG	190.29	230.6	0.05	-60 below	117	0.917	7.4	30	78.0	0.01	0.2	1.4265	3.0	12	230.0	255.0 (90%)	29911-28-2
MFG-AC	132.16	146	-	-67 below	48	0.969	1.3	20	73.0	0.02	0.2	1.399 (25°C)	20.5	5.5	140.0	150.0	108-65-6

Dialkyl Glycol Ethers

	Trade Name	Product Name	Chemical Name	Structure	Packing(drum, kg)
E-Series	Dimethyl Glycol	**DMG**	Ethylene glycol dimethyl ether	$CH_3O\text{-}CH_2CH_2O\text{-}CH_3$	170
	Dimethyl Di Glycol	**DMDG**	Diethylene glycol dimethyl ether	$CH_3O\text{-}(CH_2CH_2O)_2\text{-}CH_3$	190
	Dimethyl Tri Glycol	**DMTG**	Triethylene glycol dimethyl ether	$CH_3O\text{-}(CH_2CH_2O)_3\text{-}CH_3$	200
	Diethyl Di Glycol	**DEDG**	Diethylene glycol diethyl ether	$C_2H_5O\text{-}(CH_2CH_2O)_2\text{-}C_2H_5$	180
	Methyl Ethyl Di Glycol	**MEDG**	Diethylene glycol methyl ethyl ether	$CH_3O\text{-}(CH_2CH_2O)_2\text{-}C_2H_5$	190
	Methyl Butyl Di Glycol	**MBDG**	Diethylene glycol methyl butyl ether	$CH_3O\text{-}(CH_2CH_2O)_2\text{-}C_4H_9$	180
	Methyl Butyl Tri Glycol	**MBTG**	Triethylene glycol methyl butyl ether	$CH_3O\text{-}(CH_2CH_2O)_3\text{-}C_4H_9$	190
P-Series	Dimethyl Propylene Glycol	**PDM**	Propylene glycol dimethyl ether	$CH_3O\text{-}CH_2CHCH_3O\text{-}CH_3$	160
	Dimethy Propylene Di Glycol	**DPDM**	Dipropylene glycol dimethyl ether	$CH_3O\text{-}(CH_2CHCH_3O)_2\text{-}CH_3$	180

Dialkyl Glycol Ethers

PHYSICAL PROPERTY

Product Name	Molecular Weight	Boiling Point (°c)	Freezing Point (°c)	Flash Point (°c)	Specific Gravity (20°c)	Viscosity at 20°c (mPa*s)	Color APHA (max.)	Acidity (max.wt/wt%)	Water (max.%)	Refractive Index (20°c)	Solubility at 20°c(%) in water	CAS No.
DMG	90	85	-69	-6	0.862~0.872	0.5	15	0.01	0.1	1.3792	∞	110-71-4
DMDG	134	162	-64	57	0.940~0.950	1.1	15	0.01	0.1	1.4078	∞	111-96-6
DMTG	178	216	-45	111	0.981~0.991	2.2	15	0.01	0.1	1.4233	∞	112-49-2
DEDG	162	189	-44	90	0.901~0.913	1.4	15	0.01	0.1	1.4115	∞	112-36-7
MEDG	148	176	-72	63	0.919~0.927	1.2	15	0.01	0.1	1.4094	∞	1002-67-1
MBDG	176	212	-64	94	0.899~0.909	1.6	15	0.01	0.1	1.4167	9.2	7382-32-3
MBTG	220	261	-34	132	0.937~0.947	2.9	15	0.01	0.1	1.4266	∞	7382-30-1
PDM	104	97	-72	6.5	0.850~0.860	0.5	15	0.01	0.1	1.3854	43.6	7778-85-0
DPDM	162	171	-75	56	0.896~0.906	1.2	15	0.01	0.1	1.4061	32.6	111109-77-4

Reactive Glycol Diethers

Koremul-AMG-Series

	Trade Name	Product Name	Chemical Name	Structure	Packing(drum, kg)
E-Series	Allyl Methyl Poly Glycol	**AMG 250**	Polyethylene glycol allyl methyl ether	$CH_2=CHCH_2O-(CH_2CH_2O)_n-CH_3$	200
		AMG 350	Polyethylene glycol allyl methyl ether	$CH_2=CHCH_2O-(CH_2CH_2O)_n-CH_3$	200
		AMG 450	Polyethylene glycol allyl methyl ether	$CH_2=CHCH_2O-(CH_2CH_2O)_n-CH_3$	200
		AMG 500	Polyethylene glycol allyl methyl ether	$CH_2=CHCH_2O-(CH_2CH_2O)_n-CH_3$	200
		AMG 1100	Polyethylene glycol allyl methyl ether	$CH_2=CHCH_2O-(CH_2CH_2O)_n-CH_3$	200
EO/PO Block Copolymer		**AMG 20F20**	Polyalkylene glycol allyl methyl ether	$CH_2=CHCH_2O-(CH_2CH_2O)_n-(CHCH_3CH_2O)_m-CH_3$	200

Reactive Glycol Diethers

Koremul-AMG-Series

Product Name	Molecular Weight	Boiling Point (°c)	Freezing Point (°c)	Flash Point (°c)	Viscosity at 20 °c (mPa*s)	Color APHA (max.)	Acidity (max.wt/wt%)	Water (max.%)	Refractive Index (nD^{20})	Ignition Temp (°c)	Density (20°c) (g/cm)	CAS No.
AMG 250	~250	>270	-20	119	8	15	0.01	0.2	1.446	217	0.94	27252-80-8
AMG 350	~350	>270	-4	136	12	15	0.01	0.2	1.452	285	1.03	27252-80-8
AMG 450	~450	>300	4	310	23	15	0.01	0.2	1.456	310	1.05	27252-80-8
AMG 500	~500	>300	11	330	24	15	0.01	0.2	1.458	330	1.06	27252-80-8
AMG 1100	~1100	>300	36	390	~43 (50°C)	15	0.01	0.2	1.456 (50°C)	390	1.07	27252-80-8
AMG 20F20	~2000	>300	-44	380	~270	15	0.01	0.2	1.449 (50°C)	380	1.05	52232-27-6

Propionates

SPECIFICATION & PHYSICAL PROPERTY

Product Name	Chemical Name	Structure	Packing(drum, kg)
MMP	Methyl 3-methoxy propionate	$CH_3OCH_2CH_2COOCH_3$	190
EEP	Ethyl 3-ethoxy propionate	$C_2H_5OCH_2CH_2COOC_2H_5$	190

Product Name	Molecular Weight	Boiling Point (°c)	Flash Point (°c)	Specific Gravity (20°c)	Viscosity at 20°c (mPa*s)	Color APHA (max.)	Acidity (max.wt/wt%)	Water (max.%)	Refractive Index (nD^{20})	Solubility at 20°c(%) in water	CAS No.
MMP	118	142	48	1.004~1.014	1.1	15	0.01	0.1	1.4015~1.4035	42.8	3852-09-3
EEP	146	170	59	0.946~0.956	1.3	15	0.01	0.1	1.4060~1.4080	5.2	763-69-9

Solvents Physical Property

● Boiling Point

Product Name	Boiling Point (°c)	Chemical Name
MG	125	ethylene glycol methyl ether
MDG	194	diethylene glycol methyl ether
MTG	249	triethylene glycol methyl ether
EC	135	ethylene glycol ethyl ether
EDG	201	diethylene glycol ethyl ether
ETG	256	triethylene glycol ethyl ether
BG	171	ethylene glycol butyl ether
BDG	230	diethylene glycol butyl ether
BTG	271	triethylene glycol butyl ether
BPG	300 up	polyethylene glycol butyl ether
MFG	121	propylene glycol methyl ether
MFDG	187	dipropylene glycol methyl ether
MFTG	242	tripropylene glycol methyl ether
DPDM	171	dipropylene glycol dimethyl ether
DMG	85	ethylene glycol dimethyl ether
DMDG	162	diethylene glycol dimethyl ether
DMTG	216	triethylene glycol dimethyl ether
MEDG	176	diethylene glycol methyl ethyl ether
DEDG	189	diethylene glycol diethyl ether
MBDG	212	diethylene glycol butyl methyl ether
MBTG	261	triethylene glycol butyl methyl ether
MMP	145	methyl 3-methoxy propionate
EEP	170	ethyl 3-ethoxy propionate
PMP	157	propylene glycol methyl ether propionate

● Flash Point

Product Name	Flash Point (°c)	Chemical Name
MG	39	ethylene glycol methyl ether
MDG	96	diethylene glycol methyl ether
MTG	139	triethylene glycol methyl ether
EC	43	ethylene glycol ethyl ether
EDG	91	diethylene glycol ethyl ether
ETG	129	triethylene glycol ethyl ether
BG	63	ethylene glycol butyl ether
BDG	120	diethylene glycol butyl ether
BTG	156	triethylene glycol butyl ether
BPG	176	polyethylene glycol butyl ether
MFG	32	propylene glycol methyl ether
MFDG	76	dipropylene glycol methyl ether
MFTG	113	tripropylene glycol methyl ether
DPDM	56	dipropylene glycol dimethyl ether
DMG	-6	ethylene glycol dimethyl ether
DMDG	57	diethylene glycol dimethyl ether
DMTG	111	triethylene glycol dimethyl ether
MEDG	63	diethylene glycol methyl ethyl ether
DEDG	90	diethylene glycol diethyl ether
MBDG	94	diethylene glycol butyl methyl ether
MBTG	132	triethylene glycol butyl methyl ether
MMP	48	methyl 3-methoxy propionate
EEP	58	ethyl 3-ethoxy propionate
PMP	56	propylene glycol methyl ether propionate

● Vapor Pressure

Product Name	Vapor Pressure [kPa] 20°c	Chemical Name
MG	6.2	ethylene glycol methyl ether
MDG	0.1	diethylene glycol methyl ether
MTG	<0.01	triethylene glycol methyl ether
EC	3.8	ethylene glycol ethyl ether
EDG	0.1	diethylene glycol ethyl ether
ETG	<0.01	triethylene glycol ethyl ether
BG	0.6	ethylene glycol butyl ether
BDG	0.01	diethylene glycol butyl ether
BTG	<0.01	triethylene glycol butyl ether
BPG	<0.01	polyethylene glycol butyl ether
MFG	7.6	propylene glycol methyl ether
MFDG	0.06	dipropylene glycol methyl ether
MFTG	0.02	tripropylene glycol methyl ether
DPDM	0.24	dipropylene glycol dimethyl ether
DMG	6.4	ethylene glycol dimethyl ether
DMDG	0.35	diethylene glycol dimethyl ether
DMTG	<0.1	triethylene glycol dimethyl ether
MEDG	<0.1	diethylene glycol methyl ethyl ether
DEDG	<0.1	diethylene glycol diethyl ether
MBDG	<0.1	diethylene glycol butyl methyl ether
MBTG	<0.1	triethylene glycol butyl methyl ether
MMP	0.27	methyl 3-methoxy propionate
EEP	<0.1	ethyl 3-ethoxy propionate
PMP	0.9	propylene glycol methyl ether propionate