

Oxygenated Solvents

Product Name	CAS-Number	Chemical name	Paints and Coatings	Pharmaceuticals	Detergents	Lubricants	Textile and Leather Chemicals	Crop Protection	Intermediate chemical	Formula	Molar mass g/mol	Boiling range (101.3 mbar) °C (DIN 53171)	Density (20 °C) g/cm ³ (DIN 51757)	Refractive index (20 °C) (DIN 51423)	Viscosity (20 °C) mPa·s (DIN 51562)	Evaporation number (DIN 53170); Ether = 1	Flash point °C (DIN EN ISO 2719)	Ignition temperature °C (DIN 51794)	Temperature class according to DIN EN 60078-14 (VDE 0165)	Explosion limit Vol.-%
Alcohols																				
n-Butanol	71-36-3	n-Butyl alcohol	x						x	C ₄ H ₁₀ O	74.12	116 - 118	0.809 - 0.811	1.398 - 1.400	2.9	33	35	325	T 2	1.7 - 11.2
Isobutanol	78-83-1	i-Butanol, Isobutyl alcohol, 2-Methyl-1-propanol	x						x	C ₄ H ₁₀ O	74.12	106 - 108	0.801 - 0.803	1.395 - 1.396	3.95	25	27	430	T 2	1.7 - 11
C13-C15 Alcohol	85566-16-1	C13-C15 Alcohols, linear and branched	x		x					C ₁₃ H ₂₇ OH - C ₁₅ H ₃₁ OH	200.37 - 228.41	265 - 292	0.82 - 0.84	-	11.9	-	142	240	T 3	0.8
Isotridecanol N	27458-92-0	Mixture of primary tridecyl alcohol isomers	x		x	x			x	C ₁₉ H ₂₇ OH	200.36	251 - 263	0.8436	1.4480 - 1.4485	36.2	>10 000	115	260	T 3	0.6
Oxo Oil 9N	68551-11-1	Hydroformylation products of octenes, higher aliphatic alcohols				x	x		x	-	-	-	0.860 - 0.890	-	20 - 30	-	130	240	-	-
Pentanol Mixture	71-41-0 137-32-6 123-51-3	Pentanol, branched and linear			x			x	x	CH ₃ (CH ₂) ₄ OH CH ₃ CH ₂ CH(CH ₃)CH ₂ OH	88.2	128 - 137	0.815	1.41	4.3	65	45	320	T 2	1.2 - 10
n-Pentanol	71-41-0	n-Pentanol	x	x		x		x	x	CH ₃ (CH ₂) ₄ OH	88.2	137 - 139	0.815	1.41	3.3	96	49	300	T 3	1.6 - 8.0
n-Propanol	71-23-8	n-Propyl alcohol	x	x	x			x		CH ₃ (CH ₂) ₂ OH	60.1	96.5 - 98	0.804	1.385	2.3	16	24	395	T 2	2.4 - 13.2
Propylheptanol	10042-59-8	2-Propylheptane-1-ol, 2-Propyl-1-heptanol	x		x	x			x	C ₁₀ H ₂₂ OH	158.28	207 - 212	0.8322	1.4371	15.2	-	100	265	T 3	-
3-Methyl-1-Butanol	123-51-3	3-Methylbutanol	x	x		x		x	x	CH ₃ C(CH ₃)HCH ₂ CH ₂ OH	88.2	129 - 130	0.828	-	-	-	43.5	335	T 2	1.0 - 8.2
Aldehydes																				
n-Butyraldehyde	123-72-8	Butyraldehyde, Butanal		x				x	x	C ₄ H ₈ O	72.11	75 - 76	0.800	1.381	0.45	-	-12	195	T 4	1.7 - 12.5
Isobutyraldehyde	78-84-2	i-Butyraldehyde, 2-Methylpropanal		x				x	x	C ₄ H ₈ O	72.1	63 - 65.4	0.788	1.3709	0.5377	-	-24	180	T 4	1.6 - 11
Propionaldehyde	123-38-6	n-Propanal, Propionaldehyde		x			x	x	x	CH ₃ CH ₂ CHO	58.1	47 - 48	0.797	-	0.375	-	-40	175	T 4	2.3 - 21
Esters																				
n-Butyl Acetate	123-86-4	Acetic acid n-butyl ester	x	x	x			x		CH ₃ COO(CH ₂) ₃ CH ₃	116.2	124 - 128	0.881	1.394	0.7	12	27	415	T 2	1.4 - 9.6
Pentyl Acetate	628-63-7*) 624-41-9 123-92-2	Mixture of isomeric pentyl esters of acetic acid, reaction mass of 2-methylbutyl acetate and pentyl acetate	x	x	x		x			C ₇ H ₁₄ O ₂ Mixed isomers	130.2	146 - 149	0.876	1.403	0.9	28	40	345	T 2	1.4 - 8.4
2-Ethylhexyl Acetate	103-09-3	Acetic acid 2-ethylhexyl ester	x		x					CH ₃ COOCH ₂ CH(C ₂ H ₅)(CH ₂) ₃ CH ₃	172.3	192 - 205	0.873	1.42	1.6	320	77	270	T 3	1.1 - 7.5

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Glycol Ethers																				
Butylglycol	111-76-2	2-Butoxyethanol	x		x	x	x	x	x	CH ₃ (CH ₂) ₃ OCH ₂ CH ₂ OH	118.2	168 - 172	0.901	1.419	3.3	160	67	230	T 3	1.1 - 10.6
Butyldiglycol	112-34-5	2-(2-Butoxyethoxy)-ethanol	x		x	x	x		x	CH ₃ (CH ₂) ₃ (OCH ₂ CH ₂) ₂ OH	162.2	228 - 232	0.954	1.432	5.9	ca. 3 500	105	210	T 3	0.7 - 5.9
Butyltriglycol	143-22-6*) 1559-34-8	Mixture of ethylene glycol monoalkyl ethers	x		x	x	x		x	CH ₃ (CH ₂) ₃ (OCH ₂ CH ₂) ₃ OH CH ₃ (CH ₂) ₃ (OCH ₂ CH ₂) ₄ OH	-	265 - 350	0.994	1.44	10.5	ca. 8 000	144	203	T 3	0.8 - 3.8
n-Hexylglycol	112-25-4	2-Hexoxy-1-ethanol	x		x					C ₈ H ₁₈ O ₂	146.2	200 - 212	0.887	1.429	5.3	ca. 1 200	94	220	T 3	1.2 - 8.4
n-Hexyldiglycol	112-59-4	Diethylene glycol mono hexyl ether, 2-(2-hexyloxy-ethoxy)-ethanol	x		x					C ₁₀ H ₂₂ O ₃	190.28	262	0.93	-	8.6	-	-	-	-	-
Solvenon® PM	107-98-2	1-Methoxypropanol-2	x		x	x	x	x	x	CH ₃ CH(OH)CH ₂ OCH ₃	90.1	119 - 122	0.92	1.403	1.9	22	32	270	T 3	1.7 - 11.5
Solvenon® DPM	34590-94-8	Methoxypropoxypropanol (mixture of isomers)	x		x		x	x	x	C ₇ H ₁₆ O ₃ Mixed isomers	148.2	185 - 195	0.957	1.422	4.1	ca. 380	80	205	T 3	1.4 - 10.4
Solvenon® PnB	5131-66-8	1-Butoxy-2-propanol	x		x					CH ₃ (CH ₂) ₃ OCH ₂ CH(CH ₃)OH	132.2	ca. 170	0.88	1.418	-	125	60	250	T 3	1.3 - 9.0
Solvenon® DPnB	29911-28-2	Butoxy dipropanols (mixture of isomers)	x		x					C ₁₀ H ₂₂ O ₃	190.3	225 - 235	ca. 0.91	1.427	4.4	ca. 1 400	101	195	T 4	1.0 - 6.2
Solvenon® TPnB	55934-93-5	Mixture of propylene glycol mono butyl ethers	x		x					C ₁₃ H ₂₈ O ₄	248.4	272 - 282	ca. 0.93	1.432	-	>10 000	129	190	T 4	-
Glycol Ether Acetates																				
Butylglycol Acetate	112-07-2	2-Butoxyethyl acetate	x		x		x			CH ₃ (CH ₂) ₃ OCH ₂ CH ₂ OCOCH ₃	160.2	185 - 188	0.94	1.414	1.8	190	76	300	T 3	1.0 - 6.1
Butyldiglycol Acetate	124-17-4	2-(2-Butoxyethoxy)ethyl acetate	x		x		x	x		CH ₃ (CH ₂) ₃ (OCH ₂ CH ₂) ₂ OCOCH ₃	204.3	238 - 248	0.976	1.426	3.5	> 4 000	102	265	T 3	1.0 - 5.3
Methoxypropyl Acetate	108-65-6	1-Methoxy-2-propyl acetate	x		x		x			CH ₃ OCH ₂ CH(CH ₃)OCOCH ₃	132.2	145 - 147	0.967	1.402	1.2	33	45	315	T 2	1.5 - 10.8

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