

# Alcohols, Glycol Ethers & Acetates from BASF

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Product Name	CAS-Number	Chemical name [Formula]	Paints & Coatings	Pharmaceuticals <sup>1)</sup>	Detergents	Lubricants	Textile & Leather Chemicals	Crop Protection	As an Intermediate Chemical	Molar mass g/mol	Boiling range (1013 mbar) [DIN 53171] °C	Density 20°C [DIN 51757] g/cm <sup>3</sup>	Refractive index n <sub>D</sub> 20 [DIN 51423]	Viscosity 20 °C [DIN 51562] mPa·s	Evaporation number [DIN 53170]; Ether = 1	Flash point [DIN EN ISO 2719] °C	Ignition temperature [DIN 51759] °C	Temperature Class [DIN EN 60079-14] (VDE 0465)	Explosion limit Vol. %
<b>Alcohols</b>																			
n-Butanol	71-36-3	n-Butyl alcohol [C <sub>4</sub> H <sub>10</sub> O]	x					x		74.12	116 - 118	0.809 - 0.811	1.398 - 1.400	2.9	33	35	325	T2	1.7 - 11.2
2-Ethylhexanol	104-76-7	2-Ethylhexan-1-ol, 2-Ethyl-1-hexanol, Isooctanol [C <sub>8</sub> H <sub>18</sub> O]	x	x	x		x	x		130.23	186	0.832	1.431-1432	9.8454					
Isobutanol	78-83-1	i-Butanol, Isobutyl alcohol, 2-Methyl-1-propanol [C <sub>4</sub> H <sub>10</sub> O]	x					x		74.12	106 - 108	0.801 - 0.803	1.395 - 1.396	3.95	25	27	430	T2	1.7 - 11
C13-C15 Alcohol	85566-16-1	C13-C15 Alcohols, linear and branched [C <sub>13</sub> H <sub>27</sub> OH - C <sub>15</sub> H <sub>31</sub> OH]	x	x						200.37 - 228.41	265 - 292	0.82 - 0.84	-	11.9	-	142	240	T3	0.8
Isotridecanol N	27458-92-0	Mixture of primary tridecyl alcohol isomers [C <sub>13</sub> H <sub>27</sub> OH]	x	x	x			x		200.36	251 - 263	0.8436	1.4480 - 1.4485	36.2	> 10 000	115	260	T3	0.6
Pentanol Mixture	71-41-0 137-32-6 123-51-3	Pentanol, branched and linear [CH <sub>3</sub> (CH <sub>2</sub> ) <sub>4</sub> OH CH <sub>3</sub> CH <sub>2</sub> CH(CH <sub>3</sub> )CH <sub>2</sub> OH]			x			x	x	88.2	128 - 137	0.815	1.41	4.3	65	45	320	T2	1.2 - 10
n-Pentanol	71-41-0	n-Pentanol [CH <sub>3</sub> (CH <sub>2</sub> ) <sub>4</sub> OH]	x	x		x		x	x	88.2	137 - 139	0.815	1.41	3.3	96	49	300	T3	1.6 - 8.0
n-Propanol	71-23-8	n-Propyl alcohol [CH <sub>3</sub> (CH <sub>2</sub> ) <sub>2</sub> OH]	x	x	x			x		60.1	96.5 - 98	0.804	1.385	2.3	16	24	395	T2	2.4 - 13.2
Propylheptanol	10042-59-8	2-Propylheptane-1-ol, 2-Propyl-1-heptanol [C <sub>10</sub> H <sub>22</sub> OH]	x		x	x			x	158.28	207 - 212	0.8322	1.4371	15.2	-	100	265	T3	-
3-Methyl-1-Butanol	123-51-3	3-Methylbutanol [CH <sub>3</sub> C(CH <sub>3</sub> )HCH <sub>2</sub> CH <sub>2</sub> OH]	x	x		x		x	x	88.2	129 - 130	0.828	-	-	-	43.5	335	T2	1.0 - 8.2
<b>Aldehydes</b>																			
n-Butyraldehyde	123-72-8	Butyraldehyde, Butanal [C <sub>4</sub> H <sub>8</sub> O]		x				x	x	72.11	75 - 76	0.800	1.381	0.45	-	-12	195	T4	1.7 - 12.5
Isobutyraldehyde	78-84-2	i-Butyraldehyde, 2-Methylpropanal [C <sub>4</sub> H <sub>8</sub> O]		x				x	x	72.1	63 - 65.4	0.788	1.3709	0.5377	-	-24	180	T4	1.6 - 11
Propionaldehyde	123-38-6	n-Propanal, Propionaldehyde [CH <sub>3</sub> CH <sub>2</sub> CHO]		x			x	x	x	58.1	47 - 48	0.797	-	0.375	-	-40	175	T4	2.3 - 21

Product Name	CAS-Number	Chemical name [Formula]								Boiling range [1013 mbar] [DIN 53171] °C	Density 20 °C [DIN 51757] g/cm <sup>3</sup>	Refractive index n <sub>D</sub> 20 [DIN 51423]	Viscosity 20 °C [DIN 51563] mPa·s	Evaporation number [DIN 53170] Ether = 1	Flash point [DIN EN ISO 2719] °C	Ignition temperature [DIN 51794] °C	Temperature class [DIN EN 60079-14] [VDE 0165]	Explosion limit Vol. %
			Paints & Coatings	Pharmaceuticals	Detergents	Lubricants	Textile & Leather Chemicals	Crop Protection Chemical	As an Intermediate									
<b>Acetates</b>																		
n-Butyl Acetate	123-86-4	Acetic acid n-butyl ester [CH <sub>3</sub> COO(CH <sub>2</sub> ) <sub>3</sub> CH <sub>3</sub> ]	x	x	x			x	116.2	124 - 128	0.881	1.394	0.7	12	27	415	T2	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 [C <sub>7</sub> H <sub>14</sub> O <sub>2</sub> ]	x	x	x			x	130.2	146 - 149	0.876	1.403	0.9	28	40	345	T2	1.4 - 8.4
2-Ethylhexyl Acetate	103-09-3	Acetic acid 2-ethylhexyl ester [CH <sub>3</sub> COOCH <sub>2</sub> CH(C <sub>2</sub> H <sub>5</sub> )(CH <sub>2</sub> ) <sub>3</sub> CH <sub>3</sub> ]	x		x				172.3	192 - 205	0.873	1.42	1.6	320	77	270	T3	1.1 - 7.5
<b>Glycol Ethers</b>																		
Butylglycol	111-76-2	2-Butoxyethanol [CH <sub>3</sub> (CH <sub>2</sub> ) <sub>3</sub> OCH <sub>2</sub> CH <sub>2</sub> OH]	x		x	x	x	x	118.2	168 - 172	0.901	1.419	3.3	160	67	230	T3	1.1 - 10.6
Butyldiglycol	112-34-5	2-(2-Butoxyethoxy)-ethanol [CH <sub>3</sub> (CH <sub>2</sub> ) <sub>3</sub> (OCH <sub>2</sub> CH <sub>2</sub> ) <sub>2</sub> OH]	x		x	x		x	162.2	228 - 232	0.954	1.432	5.9	ca. 3500	105	210	T3	0.7 - 5.9
Butyltriglycol	143-22-6*) 1559-34-8	Mixture of ethylene glycol monoalkyl ethers [CH <sub>3</sub> (CH <sub>2</sub> ) <sub>3</sub> (OCH <sub>2</sub> CH <sub>2</sub> ) <sub>n</sub> OH] [CH <sub>3</sub> (CH <sub>2</sub> ) <sub>3</sub> (OCH <sub>2</sub> CH <sub>2</sub> ) <sub>3</sub> OH]	x		x	x		x	-	265 - 350	0.994	1.44	10.5	ca. 8000	144	203	T3	0.8 - 3.8
n-Hexylglycol	112-25-4	2-Hexoxy-1-ethanol [C <sub>8</sub> H <sub>18</sub> O <sub>2</sub> ]	x		x				146.2	200 - 212	0.887	1.429	5.3	ca. 1200	94	220	T3	1.2 - 8.4
n-Hexyldiglycol	112-59-4	Diethylene glycol mono hexyl ether, 2-(2-hexyloxy-ethoxy)-ethanol [C <sub>10</sub> H <sub>22</sub> O <sub>3</sub> ]	x		x				190.28	262	0.93	-	8.6	-	-	-	-	-
Solvenon® PM	107-98-2	1-Methoxypropanol-2 [CH <sub>3</sub> CH(OH)CH <sub>2</sub> OCH <sub>3</sub> ]	x		x	x	x	x	90.1	119 - 122	0.92	1.403	1.9	22	32	270	T3	1.7 - 11.5
Solvenon® DPM	34590-94-8	Methoxypropoxypropanol (mixture of isomers) [C <sub>7</sub> H <sub>16</sub> O <sub>3</sub> ]	x		x		x	x	148.2	185 - 195	0.957	1.422	4.1	ca. 380	80	205	T3	1.4 - 10.4
Solvenon® PnB	5131-66-8	1-Butoxy-2-propanol [CH <sub>3</sub> (CH <sub>2</sub> ) <sub>3</sub> OCH <sub>2</sub> CH(CH <sub>3</sub> )OH]	x		x				132.2	ca. 170	0.88	1.418	-	125	60	250	T3	1.3 - 9.0
Solvenon® DPnB	29911-28-2	Butoxy dipropanols (mixture of isomers) [C <sub>10</sub> H <sub>22</sub> O <sub>3</sub> ]	x		x				190.3	225 - 235	ca. 0.91	1.427	4.4	ca. 1400	101	195	T4	1.0 - 6.2
Solvenon® TPnB	55934-93-5	Mixture of propylene glycol mono butyl ethers [C <sub>13</sub> H <sub>28</sub> O <sub>2</sub> ]	x		x				248.4	272 - 282	ca. 0.93	1.432	-	>10 000	129	190	T4	-
<b>Glycol Ether Acetates</b>																		
Butylglycol Acetate	112-07-2	2-Butoxyethyl acetate [CH <sub>3</sub> (CH <sub>2</sub> ) <sub>3</sub> OCH <sub>2</sub> CH <sub>2</sub> OCOCH <sub>3</sub> ]	x		x		x		160.2	185 - 188	0.94	1.414	1.8	190	76	300	T3	1.0 - 6.1
Butyldiglycol Acetate	124-17-4	2-(2-Butoxyethoxy) ethyl acetate [CH <sub>3</sub> (CH <sub>2</sub> ) <sub>3</sub> (OCH <sub>2</sub> CH <sub>2</sub> ) <sub>2</sub> OCOCH <sub>3</sub> ]	x		x		x		204.3	238 - 248	0.976	1.426	3.5	> 4 000	102	265	T3	1.0 - 5.3
Methoxypropyl Acetate	108-65-6	1-Methoxy-2-propyl acetate [CH <sub>3</sub> OCH <sub>2</sub> CH(CH <sub>3</sub> )OCOCH <sub>3</sub> ]	x		x		x		132.2	145 - 147	0.967	1.402	1.2	33	45	315	T2	1.5 - 10.8



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