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SOLVENT CHART

SOLVENT PROPERTIES CHART

Aliphatic Solvents

PRODUCT	LB./GAL. 60° F	SP. GR. 60°/60° F	BOILING RANGE °C °F	FL. PT. °F TCC	KB	ANILINE PT. °F	% ARO.	EVAP. RATE ¹
Hexane	5.61	0.675	65-70 149-158	<0	29	151	<0.1	6.3
Cyclohexane	6.53	0.784	80-82 176-180	0	55	65 ²	0	5.5
Heptane	5.79	0.695	92-100 198-212	15	30	146	0.1	4.5
VM & P Naphtha	6.20	0.744	119-141 256-285	50	32	153	<1	1.6
90 Solvent	6.35	0.762	140-163 285-325	86	34	150	<1	0.33
KWIK DRI™ 90 Solvent	6.44	0.772	154-182 310-360	105	32	154	<1	0.20
Mineral Spirits 66/3	6.44	0.733	154-196 310-385	105	32	155	<1	0.12
Mineral Spirits, NE	6.50	0.780	154-205 310-400	105	36	139	14	0.12
Odorless Mineral Spirits	6.32	0.759	174-213 345-415	125	28	185	<1	0.11
140 Solvent	6.54	0.785	188-288 360-394	142	31	160	1	0.08
Mineral Seal Oil	6.79	0.816	254-318 490-605	265 ³	22	187	8	<0.01

¹ n-Butyl Acetate =1 ² Mixed Aniline Point ³ COC

Aromatic Solvents

PRODUCT	LB./GAL. 60° F	SP. GR. 60°/60° F	BOILING RANGE °C °F	FL. PT. °F TCC	KB	MAP	EVAP. RATE ¹
Toluene	7.27	0.873	110-111 230-233	45	105	50	1.8
Xylene	7.23	0.866	138-143 280-289	81	98	52	0.86
Aromatic 100	7.29	0.876	152-177 306-350	105	90	55	0.15
Aromatic 150	7.43	0.893	177-216 350-420	142	89	61	0.06

¹ n-Butyl Acetate =1

Alcohols

PRODUCT	LB./GAL. 20° C	SP. GR. 20°/20° C	BOILING RANGE °C °F	FL. PT. °F TCC	EVAP. RATE ¹
Methanol	6.60	0.791	64-65 147-149	54	2.1
Ethanol, Anhydrous	6.58	0.790	74-80 165-176	53	1.7
Ethanol, 95%	6.76	0.811	75-80 167-176	55	1.7
Isopropanol, 91%	6.81	0.816	80-81 176-178	63	1.3
Isopropanol, Anhydrous	6.55	0.786	82-83 180-182	53	1.6
n-Propanol	6.71	0.806	96-98 205-208	74	1.3
Isobutanol	6.68	0.803	107-109 225-228	86	0.6
n-Butanol	6.75	0.811	116-119 241-246	97	0.42
Amyl Alcohol (primary)	6.79	0.815	127-139 261-282	113	0.27
Methyl Amyl Alcohol	6.72	0.808	130-133 266-271	103	0.27
Cyclohexanol	7.91	0.946 ⁴	160-163 320-325	140 ³	0.05
2-Ethylhexanol	6.94	0.834	182-186 360-367	164	<0.01

¹ n-Butyl Acetate =1 ³ COC ⁴ At 30°C

Amines

PRODUCT	LB./GAL. 20° C	SP. GR. 20°/20° C	BOILING RANGE °C °F	FL. PT. °F TCC	FREEZING POINT °C
Morpholine	8.36	1.004	126-130 259-266	96 ⁵	-7.5
Cyclohexylamine	7.24	0.868	134.5 274	83 ⁵	-18
Dimethylethanolamine	7.39	0.888	134.6 274	103 ⁵	-59
Monoisopropanolamine	8.01	0.962	158-165 316-329	165	2
Diethylethanolamine	7.37	0.885	162.1 324	120	-78
Monoethanolamine	8.48	1.016	166-174 331-345	200	10
Diethanolamine	9.14	1.095	168-169 (30mm Hg) 334-336 (20mm Hg)	280	28
Diisopropanolamine	8.21 (45°C)	0.980 (45°C)	170-180 (30mm Hg) 334-336 (30mm Hg)	260	42
Triethanolamine, 99%	9.37	1.126	190-193 (5mm Hg) 374-380 (5mm Hg)	375	21
Diethylene Triamine	7.98	0.955	195-245 383-419	215	-39
Triethylene Tetramine	8.17	0.982	260-290 500-554	290	-35
AMP-95 ⁶	7.85	0.942	--- ---	182	-2

⁵ TCC ⁶ Angus

Glycols

PRODUCT	LB./GAL. 20° C	SP. GR. 20°/20° C	BOILING RANGE °C °F	FL. PT. °F TCC
Propylene Glycol	8.64	1.038	186-190 367-374	225
Ethylene Glycol	9.28	1.115	193-204 379-399	240
Hexylene Glycol	7.68	0.923	196-199 385-390	215
Dipropylene Glycol	8.51	1.023	228-236 442-457	280
Diethylene Glycol	9.31	1.119	240-250 464-482	290
Tripropylene Glycol	8.52	1.023	263-280 505-536	310
Triethylene Glycol	9.36	1.125	278-300 532-572	330

Glycol Ethers

PRODUCT	LB./GAL. 20° C	SP. GR. 20°/20° C	BOILING RANGE °C °F	FL. PT. °F TCC	EVAP. RATE ¹
Glycol Ether PM	7.65	0.918	117-125 243-257	91	0.66
Glycol Ether EP	7.59	0.910	149-153 301-308	120	0.22
Glycol Ether PP	7.36	0.882	150- 302-	119	0.21
Glycol Ether PTB	7.30	0.870	151- 304-	113	---
Glycol Ether EB	7.51	0.903	169-173 336-343	150	0.06
Glycol Ether PB	7.32	0.880	170- 338-	138	0.08
Glycol Ether DPM	7.92	0.851	180-193 356-379	172	0.03
Glycol Ether DM	8.51	1.023	192-196 378-385	192	0.02
Glycol Ether DE	8.25	0.991	198-205 388-401	196	<0.01
Glycol Ether DP	8.04	0.969	202-216 396-421	200	<0.01
Glycol Ether DPP	7.67	0.922	212- 414-	190	<0.01
Glycol Ether DB	7.94	0.954	227-235 441-455	220	<0.01
Glycol Ether DPB	7.63	0.915	229- 444-	212 ¹²	<0.01
Glycol Ether TPM	8.06	0.966	236-251 457-484	240	0.01
Glycol Ether TPB	7.78 ¹¹	0.935 ¹¹	276- 529-	277 ¹²	<0.01

¹ n-Butyl Acetate =1 ¹¹ 25°C ¹² Setflash

Ester Solvents

PRODUCT	LB./GAL. 20° C	SP. GR. 20°/20° F	BOILING RANGE °C °F	FL. PT. °F TCC	EVAP. RATE ¹
Ethyl Acetate 99%	7.51	0.902	75.5-78.0 168-172	24	4.1
Isopropyl Acetate 99%	7.27	0.872	85-90 185-194	42	3.0
n-Propyl Acetate	7.39	0.888	99-103 210-217	55	2.3
Isobutyl Acetate	7.25	0.870	112-119 234-246	63	1.6
n-Butyl Acetate 99%	7.35	0.882	120-128 248-262	81	1.0
Glycol Ether PM Acetate	8.06	0.970	140-150 284-302	114	0.4
Amyl Acetate (primary)	7.29	0.876	142-152 288-306	101	0.49
Isobutyl Isobutyrate	7.13	0.855	144-151 291-304	104	0.45
n-Butyl Propionate	7.29	0.876	145- 292-	97	0.45
Ester Solvent EEP	7.91	0.950	165-172 329-342	136	0.12
Glycol Ether EB Acetate	7.84	0.942	186-194 367-381	165	0.03
Glycol Ether DPM Acetate	8.12	0.976	193-205 379-401	186	0.06
Dibasic Ester	9.10	1.092	196-212 385-414	212 ⁸	<0.01
Glycol Ether DE Acetate	8.41	1.011	214-221 417-430	225 ⁸	<0.01
Glycol Ether DB Acetate	8.16	0.980	235-250 455-482	221 ⁸	<0.01

¹ n-Butyl Acetate =1 ⁸ PMCC

Ketones

PRODUCT	LB./GAL. 20° C	SP. GR. 20°/20° C	BOILING RANGE °C °F	FL. PT. °F TCC	EVAP. RATE ¹
Acetone	6.59	0.790	55-56 131-133	-4	14.4
Methyl Ethyl Ketone	6.71	0.806	78-81 172-178	24	5.7
Methyl Propyl Ketone	6.72	0.807	101-105 214-221	46	2.3
Methyl Isobutyl Ketone	6.67	0.802	114-117 237-243	60	1.6
Methyl Isoamyl Ketone	6.78	.0813	141-148 286-298	98	0.47
Diacetone Alcohol	7.82	0.939	145-172 293-342	126	0.12
Methyl Amyl Ketone	6.80	0.818	147-154 297-309	102	0.40
Cyclohexanone	7.88	0.946	156-158 313-316	111	0.20
Diisobutyl Ketone	6.75	0.809	163-173 325-343	120	0.20
Isophorone	7.68	0.922	210-218 410-424	179	<0.05

¹ n-Butyl Acetate =1

Chlorinated Solvents

PRODUCT	LB./GAL. 25°/25° C	SP. GR. 25°/25° C	BOILING RANGE °C °F	FL. PT. °F TCC	EVAP. RATE ¹
Methylene Chloride	11.0	1.321	39.4-40.4 103-105	None	14.5
Chloroform	12.3	1.481	60-62 140-143	None	---
Ethylene Dichloride	10.5	1.260	83-85 180-184	70	4.5
Trichlorethylene	12.1	1.456	86-88 187-190	None	2.6
Propylene Dichloride	9.6	1.157	92-99 198-210	64	3.2
Perchlorethylene	13.5	1.619	120-122 248-252	None	2.1

¹ n-Butyl Acetate =1

Other Products

PRODUCT	LB./GAL. 20° C	SP. GR. 20°/20° C	BOILING RANGE °C °F	FL. PT. °F TCC	EVAP. RATE ¹
Tetrahydrofuran	7.41	0.888	65-67 149-153	6	8.0
Dimethylformamide	7.92	0.949	153-154 307-309	136	0.03
D-Limonene	7.10 ¹¹	0.840 ¹¹	154- 310-	115	<1.0
N-Methyl-2-Pyrrolidone	8.58	1.03	202-203 396-398	196	<0.1
Filmer IBT	7.90	0.950	244-247 472-477	248 ³	<0.05
TEXANOL	7.90	0.950	244-247 472-477	248 ³	<0.05

¹ n-Butyl Acetate =1 ³ COC ⁹ Union Carbide ¹⁰ Eastman ¹¹ 25°C