

No.	material or substance name	molecular formula	mol. weight	CAS Registry No.	UN No.	RTECS No.	state	color	odor	boiling point (°C)
51	Butylcyclohexane	C ₁₀ H ₂₀	140.27	1678-93-9			Liquid	colorless		178
52	Butynediol	C ₄ H ₆ O ₂	86.09	110-65-6		ES0525000	Solid			238
53	Butyraldehyde	C ₄ H ₈ O	72.1	123-72-8	1129	ES2275000	Liquid	colorless	pungent	75
54	Butyric acid	C ₄ H ₈ O ₂	88.11	107-92-3	2820		Liquid	colorless	rancid-butter	164
55	Caproic acid	C ₆ H ₁₂ O ₂	116.2	142-62-1	2829	MO5250000	Liquid	colorless	characteristic	205
56	Carbon disulfide	CS ₂	76.1	75-15-0	1131	FF6650000	Liquid	colorless	characteristic	46.3
57	Carbon tetrachloride	CCl ₄	153.81	56-23-5	1846	FG4900000	Liquid	colorless	ether-like	76.7
58	Carvacrol	C ₁₀ H ₁₄ O	150.22	499-75-2			Liquid	colorless to pale yellow	spicy thymol	236
59	Cetyl lactate	C ₁₉ H ₃₈ O ₃	314.49	35274-05-6			Solid			
60	p-Chloroaniline	C ₆ H ₆ ClN	127.6	106-47-8	2018	BX0700000	Solid	colorless		232
61	o-Chlorobenzaldehyde	C ₇ H ₅ ClO	140.6	89-98-5		CU5075000	Liquid	colorless	pungent	211.9
62	m-Chlorobenzotrifluoride	C ₇ H ₄ ClF ₃	180.56	98-15-7			Liquid	colorless		137
63	o-Chlorobenzylchloride	C ₇ H ₆ Cl ₂	161.03	611-19-8			Liquid			217
64	1-Chlorobutane	C ₄ H ₉ Cl	92.6	109-69-3	1127	EJ6300000	Liquid	colorless	pungent	77
65	Chlorocyclohexane	C ₆ H ₁₁ Cl	118.61	542-18-7		GU8685000	Liquid			141
66	Chlorodifluoromethane	CHClF ₂	86.47	75-45-6	1018	PA6390000	Gas	colorless	low	-40.83
67	Chloroethane	C ₂ H ₅ Cl	64.5	75-00-3	1037	KH7525000	Gas	colorless	characteristic	12.5
68	2-Chloroethanol	C ₂ H ₅ ClO	80.5	107-07-3	1135	KK0875000	Liquid	colorless	characteristic	128
69	Chloromethane	CH ₃ Cl	50.49	74-87-3	1063	PA6300000	Gas	colorless	faint, sweet	-24.2
70	Chloromethyl methyl ether	C ₂ H ₅ ClO	80.5	107-30-2	1239	KN6650000	Liquid	colorless	characteristic	59
71	Chloronaphthalene	C ₁₀ H ₇ Cl	162.62	90-13-1		QJ2100000	Liquid			117
72	1-Chloropentane	C ₅ H ₁₁ Cl	106.6	543-59-9			Liquid	colorless	sweet	107
73	o-Chlorotoluene	C ₇ H ₇ Cl	126.59	95-49-8	2238		Liquid	colorless		159
74	p-Chlorotoluene	C ₇ H ₇ Cl	126.59	106-43-4	2238		Liquid	colorless		162

75	Chlorotrifluoromethane	CClF ₃	104.46	75-72-9	1022	PA6410000	Gas	colorless	ethereal	-81.44
76	Citragold						Liquid	orange	natural orange	107.22
77	m-Cresol	C ₇ H ₈ O	108.15	108-39-4	2076	GO6125000	Liquid	colorless	phenolic	202
78	o-Cresol	C ₇ H ₈ O	108.2	95-48-7	2076	GO6300000	Liquid	colorless	characteristic	191
79	p-Cresol	C ₇ H ₈ O	108.2	106-44-5	2076	GO6475000	Solid	colorless	characteristic	202
80	Crotonaldehyde	C ₄ H ₆ O	70.1	4170-30-3	1143	GP9499000	Liquid	colorless	pungent	104
81	1-Cyanobutane	C ₅ H ₉ N	83.13	110-59-8		YV8195000	Liquid			142
82	2-Cyanoethanol	C ₃ H ₅ NO	71.08	109-78-4		MU5250000	Liquid	colorless		220
83	2-Cyanopyridine	C ₆ H ₄ N ₂	104.1	100-70-9			Solid			
84	3-Cyanopyridine	C ₆ H ₄ N ₂	106.13	100-54-9			Solid			206.2
85	4-Cyanopyridine	C ₆ H ₄ N ₂	104.11	100-48-1			Solid			195.4
86	Cyclohexanethiol	C ₆ H ₁₂ S	116.2	1569-69-3	3054	GV7525000	Liquid		characteristic	158
87	Cyclohexanol	C ₆ H ₁₂ O	100.18	108-93-0		GV8750000	Solid	colorless to yellow	camphor-like	161.1
88	Cyclohexanone	C ₆ H ₁₀ O	98.16	108-94-1	1915	GW1050000	Liquid	colorless to yellow	acetone-like	155.65
89	Cyclohexene	C ₆ H ₁₀	82.14	110-83-8	2256	GW2500000	Liquid	colorless	characteristic	83
90	Cyclooctane	C ₈ H ₁₆	144	292-64-8			Liquid			150
91	Cyclopentane	C ₅ H ₁₀	70.1	287-92-3	1146	GY2390000	Liquid	colorless		49
92	Cyclopentanol	C ₅ H ₁₀ O	86.14	96-41-3			Liquid			139
93	Cyclopentene	C ₅ H ₈	68.12	142-29-0	2246	GY5950000	Liquid	colorless		43
94	p-Cymene	C ₁₀ H ₁₄	134.2	99-87-6	2046	GZ5950000	Liquid	colorless	characteristic	177
95	Cypar 7						Liquid			93
96	1-Decanol	C ₁₀ H ₂₂ O	158.32	112-30-1			Liquid	colorless	sweet	233
97	Decyl oleate	C ₂₈ H ₅₄ O ₂		3687-46-5			Liquid	straw		
98	N-Decyl-2-pyrrolidone	C ₁₄ H ₂₇ NO	225.37	55257-88-0			Liquid			154
99	1,3-Di-(4-piperidyl)propane	C ₁₃ H ₂₆ N ₂	210.36	16898-52-5			Solid			329
100	Di-tert-butyl ketone	C ₉ H ₁₈ O	142.2	815-24-7			Liquid			151

No.	freezing point (°C)	density (g/cm ³)	specific heat (cal/(mol K))	thermal cond. (cal/(cm s K))	heat of vaporization (cal/g)	Hildebrand sol. param. (cal ^{1/2} cm ^{-3/2})
51	-75	0.818 [20°C]				
52	58					
53	-99	0.8 [25°C]				8.83
54	-7.9	0.96 [20°C]				12.05
55	-3	0.93 [20°C]				11.81
56	-110.8	1.293 [0°C]			84.1	9.74
57	-23	1.584 [25°C]	31.39	0.00028	7.16	8.551
58	3	0.976				
59	41					
60	69	1.4				
61	12.4	1.25				
62		1.331				
63	-17	1.27				
64	-123	0.89 [15°C]				8.21
65	-43.9	1				
66	-157.42	1.194 [25°C]		0.00021	4.84	7.3
67	-142	0.918 [6°C]				
68	-67	1.197 [20°C]				9.65
69	-97.7	0.911 [25°C]	19.2		4.52 [25°C]	9.7
70	-104	1.06 [25°C]				
71	-8	1.192 [20°C]				
72	-99	0.882 [20°C]				
73	-35.6	1.079 [20°C]	35.5		81.2	
74	7.5	1.067 [25°C]				
75	-189	1.3 [20°C]			3.76	8.44
76		0.95				
77	11	1.03 [22°C]				10.6
78	31	1.05 [20°C]				10.51
79	35	1.02 [20°C]				10.6
80	-76.5	0.85 [20°C]				
81	-96	0.794 [25°C]				9.55
82	-46	1.04 [25°C]				

83	28	1.081				11.81
84	49.6	1.042				
85	78.5					
86	-118	0.98				
87	25.15	0.9684 [25°C]			14.82 [25°C]	11.4
88	-32.1	0.9452 [20°C]	42.85		10.73 [25°C]	9.9
89	-104	0.81 [20°C]				
90	12	0.835 [25°C]				
91	-94	0.745 [20°C]				
92	-19	0.948				
93	-93.9	0.771 [20°C]				
94	-68	0.85 [20°C]				
95						
96	7	0.8297 [20°C]				9.55
97		0.855				
98		0.91				
99	61.7					
100		0.82				7.54

No.	surface tension (mN/m)	water solubility (mg/kg)	viscosity (cP)	dielec. const.	electrical conductivity (pS/m)	refractive index	Henry's law const. (atm m ³ /mol)
51		0.2	1.25 [25°C]			1.441	1.36
52						1.48	
53	29.9	70000	0.43 [25°C]			1.377	0.000118
54	26.8	infinite	1.529 [25°C]			1.396	
55		11000	2.826 [25°C]			1.415	0.00000068
56	32	2000	0.36 [25°C]			1.624	0.105
57	26.92	793.4	1.049 [20°C]	2.29		1.457	0.0304
58						1.522	
59						1.441	
60		2750				1.555	
61		negligible				1.566	
62						1.446	
63						1.553	
64		660	0.43 [25°C]			1.4	0.0167
65						1.462	
66	8	2770	0.1834 [25°C]	6.11		1.264	0.00572
67	19.5	5740	0.27 [25°C]			1.368	0.0089
68		miscible	3.046 [25°C]			1.442	
69	15.19	5325	0.244 [20°C]			1.334	0.00882
70	30	decomposes					
71						1.633	
72		89.3	0.559 [25°C]			1.411	0.0515
73	33.4	72	0.8 [38°C]			1.527	
74	34.6	74	0.834 [25°C]			1.518	0.00437
75	0.574	traces	0.016 [25°C]	2.32		1.199	0.000362
76		infinite					
77		25000	9.8 [25°C]			1.54	0.000000724
78		25000	7.6 [25°C]			1.544	0.00000171
79		19000	9.4 [25°C]			1.539	0.000000731
80		150000	0.428 [25°C]			1.436	0.0000168
81			0.69 [25°C]			1.395	
82						1.426	

83						1.529	
84		135000				1.546	
85		40000					
86		none					
87	33.91	42000	41.07 [30°C]	15		1.465	0.000102
88	35.05	23000	2.453 [15°C]	16.1		1.45	0.0000511
89		traces				1.447	
90		8	0.972 [25°C]			1.458	
91		156	0.4 [25°C]			1.407	0.188
92						1.453	
93		535	0.233 [25°C]			1.421	0.0637
94		20	0.76 [25°C]			1.489	0.0076
95							
96		38	11.32 [25°C]			1.439	0.000048
97						1.453	
98							
99		116000					
100						1.42	

No.	vapor density	vapor pressure (kPa)
51		
52		0.32 [95°C]
53	2.5	12.2 [20°C]
54	3.04	0.0102 [25°C]
55	4	0.027 [20°C]
56	2.63	39.5 [20°C]
57	5.3	15.333 [25°C]
58		
59		
60	4.4	0.002 [20°C]
61		0.04 [25°C]
62		
63		
64	3.2	10.7 [20°C]
65		
66	2.98	908 [20°C]
67	2.22	133.3 [20°C]
68	2.8	0.65 [20°C]
69	1.8	573.33 [25°C]
70	2.8	25.3 [20°C]
71		
72	3.67	
73		
74		
75	3.6	3613.33 [25°C]
76		
77	3.72	0.02 [25°C]
78	3.7	0.033 [25°C]
79	3.7	0.015 [25°C]
80	2.41	4 [20°C]
81		0.972 [25°C]
82	2.5	0.013 [20°C]
83		
84		

85		
86	4	1.3 [20°C]
87	3.5	0.11 [25°C]
88	3.4	0.58 [25°C]
89	2.8	8.9 [20°C]
90		2.13 [38°C]
91	2.42	45 [20°C]
92		
93		
94	4.62	0.2 [25°C]
95		
96	5.3	0.001 [25°C]
97		
98		
99		
100		