

KETONES

Liquids

Name	Boiling Point (°C)	2,4 DNP Derivative Melting Point (°C)
Acetone	56	128
3-Buten-2-one (methyl vinyl ketone)	81	
2-Butanone (methyl ethyl ketone)	82	117
3-Butyn-2-one	86	181
3-Methyl-2-butanone	94	120
3-Methyl-3-buten-2-one	98	181
Cyclobutanone	100	146
3-Pentanone	102	156
2-Pentanone	102	144
1-Penten-3-one	103	129
3,3-Dimethyl-2-butanone (pinacolone)	106	125
1-Methoxy-2-propanone	115	163
4-Methyl-2-pentanone (methyl isobutyl ketone)	117	95
3-Methyl-2-pentanone	118	71
Chloroacetone	119	125
3-Penten-2-one	122	155
2,4-Dimethyl-3-pentanone	124	88
3-Hexanone	125	130
4,4-Dimethyl-2-pentanone	125	100
2-Hexanone	128	106
5-Hexen-2-one	130	108
4-Methyl-3-penten-2-one (mesityl oxide)	130	206
Cyclopentanone	131	146
5-Methyl-3-hexanone	136	
2-Methyl-3-hexanone	136	
2,4-Pentanedione (acetylacetone)	139	209
4-Heptanone	144	75
2-Methyl-2-Hexanone	145	95
1-Hydroxy-2-propanone	146	129
3-Heptanone	148	
2-Heptanone	151	89
Cyclohexanone	156	162
2,3-Hexanedione	158	
3,5-Dimethyl-4-heptanone	162	
2-Methylcyclohexanone	165	137
2,6-Dimethyl-4-heptanone	168	66
4-Octanone	170	41
3-Methylcyclohexanone	170	155
4-Methylcyclohexanone	171	
2-Octanone	173	58
Cycloheptanone	179	148
2,2,6-Trimethylcyclohexanone	179	141
Ethyl acetoacetate	181	93
5-Nonanone	186	

3-Nonanone	187	
2,5-Hexanedione (acetonyl acetone)	194	257
2-Nonanone	195	240
Acetophenone	202	146
Menthone	209	159
2-Methylacetophenone	214	
1,5,5-Trimethylcyclohexen-3-one	215	156
1-Phenyl-2-propanone	216	191
Propiophenone	220	207
3-Methylacetophenone	220	163
Isobutyrophenone	222	
1-Phenyl-2-butanone	226	
4-Methylacetophenone	226	260
3-Chloroacetophenone	228	
<i>n</i> -Butyrophenone	230	190
<i>d</i> -Carvone	230	191
4-Chloroacetophenone	232	231
3,5-Dimethylacetophenone	237	
2-Methoxyacetophenone	239	
3-Methoxyacetophenone	240	
<i>n</i> -Valerophenone	248	166
2,5-Dichloroacetophenone	251	

KETONES

Solids

Name	Melting Point (°C)
4-Methylacetophenone	28
2-Hydroxyacetophenone	28
2,6-Dimethyl-2,5-heptadien-4-one	28
2,4-Dichloroacetophenone	34
4-Chloropropiophenone	36
4-Methoxyacetophenone	38
2-Hydroxybenzophenone	39
2-Methoxybenzophenone	39
3-Bromopropiophenone	40
4-Phenyl-3-buten-2-one (benzalacetone)	41
1-Indanole	42
4-Bromopropiophenone	46
Benzophenone	48
4-Bromoacetophenone	51
3,4-Dimethoxyacetophenone	51
Methyl 2-naphthyl ketone	54
Benzalacetophenone (chalcone)	58
α -Chloroacetophenone	59
Desoxybenzoin (benzyl phenyl ketone)	60
Benzoylacetone	61
1,1-Diphenylacetone	61
4-Methoxybenzophenone	62
Cinnamalacetone	68
2,6-Dimethyl-1,4-benzoquinone	73
4-Chlorobenzophenone	78
1,4-Cyclohexanedione	79
3-Nitroacetophenone	80
4-Nitroacetophenone	81
4-Bromobenzophenone	82
9-Fluorenone	83
4,4'-Dimethylbenzophenone	95
Benzil	95
3-Hydroxyacetophenone	96
1,3-Cyclohexanedione	104
4-Hydroxyacetophenone	109
3,4-Dihydroxyacetophenone	116
1,4-Benzoquinone	116
1,4-Naphthoquinone	125
4-Hydroxybenzophenone	135
Benzoin	137
2,4-Dihydroxyacetophenone	147

4,4'-Dichlorobenzophenone	148
Camphor	178
4,4'-Dihydroxybenzophenone	210