

Chemical Name CAS-Number	Colour/Form	Boiling Point (°C)	Melting Point (°C)	Molecular Weight	Solubility in Water	Relative Density (water=1)	Relative Vapour Density (air=1)	Vapour Pressure/ (Kpa)	Inflam. Limits	Flash Point (°C)	Auto Ignition Point ( °C)
ACETONE 67-64-1	colourless liquid	56.2	-95.35	58.08	misc	0.7899		2.0	2.15 ll 13.0 ul	-20	465
ACETOPHENONE 98-86-2	monoclinic prisms or plates; slightly oily liquid; colourless liquid; liquid forms laminar crystals at low temperature	202	20.5	120.16	insol	1.033 @ 15(°C)/15 °C	4.14	0.059 @ 25 °C		82 oc	570
ACETYL BROMIDE 506-96-7	colourless liquid	76	-96	122.96	sol	1.52 @ 9 °C		14.3 @ 21			
BENZOPHENONE 119-61-9	white crystals	305	49	182.2	insol	1.1					
p-BENZOQUINONE 106-51-4	yellow monoclinic prisms from water or petroleum ether; greenish-yellowish solid		115.7	108.09	sl sol	1.318 @ 20 °C/4 °C	3.7	0.013 @ 25 °C		38-93 cc	560
1-BROMO-2-PRO- PANONE 598-31-2	colourless liquid; rapidly becomes violet even in absence of air	137	-36.5	136.99	sl sol	1.634 @ 23 °C	4.75	1.20			
1-CHLORO-2-PRO- PANONE 78-95-5	colourless liquid	119.7	-44.5	92.53	sol	1.123 @ 25 °C				40 oc	
CHLORACETYL CHLORIDE 75-36-5	colourless to slightly yellow liquid	106	21.77	112.95		1.4202		2.35			
2-CHLOROACETO- PHENONE 532-27-4	colourless to grey crystals	247	56.5	154.6	insol	1.324 @ 15 °C	5.3	< 10 Pa		118	
CYCLOHEXANONE 108-94-1	oily liquid; water-white to pale yellow liquid	155.6	16.4	98.14	sol	0.9421 @ 25 °C; 0.9478	3.4	0.67 @ 26.4 °C	1.1 ll 9.4 ul	63 cc	420
CYCLOHEXANONE OXIME 100-64-1	hexagonal prisms from petroleum ether	206-210	89-90	113.18	sol						
CYCLOPENTANONE 120-92-3	water-white, mobile liquid	130.6	-51.3	84.12	insol	0.948	2.3	1.51 @ 25 °C		31cc	
DIACETONE 123-42-2	colourless liquid	167.9	-44	116.16	misc	0.9306 @ 25 °C	4.0	0.13	1.8 ll 6.9 ul	66 oc	acetone- free 603 com- mercial 643
DICHLORACETYL CHLORIDE 79-36-7	colourless to yellow fuming liquid	107 - 108		147.4	decomposes	1.53	5.09	3.06	11.9 ll ? ul	66	585

DIETHYL KETONE 96-22-0	colourless, mobile liquid	101.7	-39.8	86.13	v sol	0.814	3.0	4.72 @ 25 °C	1.6.	13 oc	452
DIKETENE 674-82-8	clear, colourless liquid when pure	127.4	-6.5	84.08	sol	1.0897	2.9			34 oc	
2,6-DIMETHYL-4-HEP- TANONE 108-83-8	colourless liquid	168	- 42	142.2	insol	0.805	4.9	0.23	0.8 ll 6.2 @ 93 °C ul	49 cc	396
DIPROPYL KETONE 123-19-3		144	-33	114.18	insol	1.407					
ETHYL AMYL KETONE 106-68-3		167.5		128.21	insol	0.882 @ 25 °C					
ETHYL BUTYL KETONE 106-35-4	clear liquid	147 @ 765 mm Hg	-39	114.21	insol	0.8183		0.19 @ 25 °C		46 oc	
2,5-HEXANEDIONE 110-13-4		194	-5.5	114.4	v sol	0.737					
ISOPHORONE 78-59-1	water-clear liquid	214 @ 754 mm Hg	-8.1	138.2	sl sol	0.9229	4.77	0.059 @ 25 °C	0.8 ll 3.8 ul	84 cc	460
KETENE 463-51-4	colourless gas	- 56	-150	42.0	reacts		1.4			Flammab le gas	
MESITYL OXIDE 141-79-7		The substance can presumably form explosive peroxides • Reacts violently with strong oxidants • Attacks many plastics	3								
4-METHOXY-4-METHYL- 2-PENTANONE 107-70-0	water-white liquid	147-163		130.21	v sol			0.42 @ 25 °C			
METHYL AMYL KETONE 110-43-0	water-white liquid	151.5	-35.5	114.18	v sol	0.8197 @ 15 °C; 0.8068 @ 30 °C	3.9	0.21 @ 25 °C	1.1 @ 66 °C ll 7.9 @ 121 °C ul	39 cc	393
METHYL BUTYL KETONE 591-78-6	colourless liquid	128	-57	100.16	sl sol	0.8113	3.5	1.6 @ 25 °C	1.3 ll 8.0 ul	25 cc	423
2-METHYLCYCLO HEXANONE 583-60-8				112.19							
METHYL ETHYL KETONE 78-93-3	colourless liquid	79.6	-86.3	72.10	v sol	0.805	2.41	10.33	1.4 ll 11.4 @ 93 °C ul	-9 cc	404
5-METHYL-3-HEP- TANONE 541-85-5	colourless liquid	157-162		128.24	insol in water	0.820-0.824 /20 °C		25 °C @ 0.27		59	
5-METHYL-2-HEXANONE 110-12-3	colourless liquid	144	73.9	114.21	sl sol	0.888 /20 °C	3.9	0.60	1.0 ll 8.2 @ 93 °C ul	36 cc	191

METHYL ISOBUTYL KETONE 108-10-1	colourless liquid	116.8	-84.7	100.16	sl sol	0.7978	3.5	2.09	1.4 ll 7.5 @ 93 °C ul	24 oc	460
METHYL ISOPROPYL KETONE 563-80-4	colourless liquid	94	- 92	86.1	sl sol	0.8	3.46	5 @ 29.6 °C	1.2 ll 8.2 ul	3	456
METHYL PROPYL KETONE 107-87-9	colourless liquid	101.7	-77.8	86.13	sl sol	0.805	3.0	2.13 @ 25 °C	1.5 ll 8.2 ul	70 cc	505
METHYLVINYL KETONE 78-94-4	colourless liquid	81.4	-7	70.09	sol	0.8636; 0.8407 @ 25 °C	2.41	11.18 @ 25 °C	2.1 ll 15.6 ul	-7 cc	491
2,4-PENTANEDIONE 123-54-6	colourless or slightly yellow liquid	139 @ 746 mm Hg	-23	100.12	v sol	0.9721 @ 25 °C	3.5	0.39	2.4 ll 11.6 ul	34 cc	335