

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)
ACETONITRILE 75-05-8	colourless, limpid liquid	81.6	-45	41.05	misc	0.7857	1.42	87 mm Hg @ 24 C	3.0 ll 16.0 ul	128 cc	524
ACRYLONITRILE 107-13-1	clear, colourless liquid	77.3	-83.5	53.06	7g/100 ml	0.8060	1.13 @ 25 ° C	11.0	3 ll 17 ul	-1 cc	481
ADIPONITRILE 111-69-3	needles from ether; colourless liquid	295	1	108.1	sl sol	0.9676	3.73	6.8x 10 ⁻⁴ mm Hg @ 25 °C	1.0 @ 200 °C		550
ALLYL ISOTHIOCYANATE 57-06-7	colourless to pale yellow, oily liquid	152	-80	99.15	sl sol	1.0126	3.41	1.3 Pa @ 38.3 °C		461	
AMMONIUM THIOCYANATE 1762-95-4	colourless, monoclinic crystals		149.6	76.12	128 g/100 ml @ 0 °C; v sol in hot water	1.3057 g/ml					
BENZONITRILE 100-47-0	liquid; transparent colourless oil	191	-13	103.1	sl sol	1.010 @ 15 °C/15 °C	3.6	0.1		75 cc	550
BUTYRONITRILE 109-74-0	colourless liquid	117.5	-112	69.10	sl sol	0.7936	2.4	19.5 mm Hg @ 25 °C	1.65 ll ? ul		501
CALCIUM CYANAMIDE 156-62-7	pure calcium cyanamide occurs as glistening, hexagonal crystals belonging to the rhombohedral system; colourless crystals or powder		1340	80.11	insol	2.29					
CALCIUM CYANIDE 592-01-8	white powder; rhombohedral crystals or powder		>350 decomp	92.12	sol	1.853 (solid)					
CHLOROACETONITRILE 107-14-2	colourless liquid	126		75.50	insol	1.1930	2.61	1.15	1.0 ll ? ul	56	
o- CHLOROBENZYLIDENE- MALONONITRILE 2698-41-1	white crystalline solid	310-315	93-95	188.62	insol			3.4x 10 ⁻⁵ mm Hg			
CYANAMIDE 420-04-2	orthorhombic, elongated, six-sided tablets from dimethyl phthalate; crystallizes from a variety of solvents as somewhat unstable, colourless, orthorhombic, deliquescent crystals.	83 @ 0.5 mm Hg	45-46	42.04	v sol	1.282	1.45			141	
METHYL 2-	colourless, viscous liquid	47-48		111.10	2.95x	1.1012		0.179 mm H			

CYANOACRYLATE 137-05-3		@ 1.8 mm Hg			10 ⁵ mg/l			g @ 25 °C.			
CYANOGEN 460-19-5	colourless gas	-21.1	-27.9	52.0	sol	0.9537 @ - 21.17 °C/4 °C	1.8	760 mm Hg @ -21.0 °C	6.6 ll 32 ul		
CYANOGEN BROMIDE 506-68-3	cubes; colourless or white needle-like crystals	61.5	52	105.0	sol	2.015	3.62	12.3			
CYANOGEN CHLORIDE 506-77-4	colourless liquid or gas	13	-6.5	61.5	sol	1.186	2.16	1987 @ 21.1 °C			
DICYANODIAMIDE 461-58-5	monoclinic prismatic crystals from water or alcohol; pure white crystals		211	84.08	sol	1.400 @ 25 °C/4 °C					
HYDRACRYLONITRILE 109-78-4	water-white liquid; straw- coloured liquid	230	-46	71.08	misc	1.041	2.45	0.08 mm Hg @ 25 °C		1294 oc	505
2-HYDROXY-2-METHYL- PROPIONITRILE 75-86-5	colourless liquid	95	-19	85.10	v sol	0.9267 @ 25 °C/4	2.93	106 Pa	2.2 ll 12.0. ul	63-74 cc	688
HYDROGEN CYANIDE 74-90-8	colourless gas or liquid; water-white liquid below 26.5 °C; colourless to bluish white liquid	26	-13.4	27.0	misc	0.6876	0.94	81.8	5.6 ll 40.0 ul	-1778 cc	538
HYDROXYACETONITRIL E 107-16-4	colourless, water-white, oily liquid	183 decomp	<-72	57.06	v sol	1.10	1.96	1 mm Hg @ 63 °C			
IODINE CYANIDE 506-78-5	crystals	>45 sub	146.5	152.92	reacts	2.84 @ 18 °C	5.3	0.13 @ 25.2 °C			
ISOBUTYRONITRILE 78-82-0	colourless liquid	103.8	-71.5	69.1	sl sol	0.7608 @ 30 °C/4 °C	2.38	32.7 mm Hg @ 25 °C		8 cc	482
ISOCYANURIC ACID 108-80-5	anhydrous crystals from concn hydrochloric acid or sulfuric acid; crystalline powder		360	129.08	1 g/200 ml	2.500					
LACTONITRILE 78-97-7	yellow liquid; straw-colored liq	102 ° C @ 30 mm Hg	-40	71.1	sol	0.9877 @ 20 ° C/4 ° C		17 mm Hg at 90 ° C			
MALONONITRILE 109-77-3	white powder; colourless solid	218.5	32	66.06	sol	1.1910		11 mm Hg @ 99 °C			
MANDELONITRILE 532-28-5	oily, yellow liquid	170	-10			1.1165					
METHYLACRYLONITRIL E 126-98-7	colourless liquid	90.3	-35.8	67.10	insol	0.8001	2.31	71.2 mm Hg @ 25 °C	2 ll 6.8 ul	13 oc	
PHENYLACETONITRILE 140-29-4	colourless oily liquid	233.5	-23.8	117.14	insol	1.0214 @ 15 °C/15 °C		1 mm Hg @ 60.0 °C			
m-PHTHALODINITRILE 626-17-5		265 sub	162	128.13	sl sol	0.992 @ 40 °C					
PHTHALONITRILE 91-15-6	needles from water or petroleum ether; buff- coloured crystals		141	128.1	sl sol						
POTASSIUM CYANATE	white crystalline powder;		315	81.12	75 G/100 CC	2.056					

590-28-3	colourless, tetragonal/crystal				@ 25 ° C	@ 20 ° C					
SODIUM CYANIDE 143-33-9	colourless cubes; white solid in form of granules, flakes, or eggs	1496	563.7	49.02	48 g/100 ml @ 10 ° C	1.6					
POTASSIUM THIOCYANATE 333-20-0				97.18							
PROPIONITRILE 107-12-0	colourless liquid	97.1	-92	55.08	v sol	0.7818	1.9	5.2	3.1 ll ? ul	6 cc	
POTASSIUM CYANIDE 151-50-8	white, granular powder or fused pieces; white amorphous lumps or crystalline mass; colourless cubes		634	65.11	decomposes	1.553					
SUCCINONITRILE 110-61-2		266	54.5	80.09	v sol	0.9867 @ 60 ° C					
TETRAMETHYL- SUCCINONITRILE 3333-52-6	solid	1.070	170 sub	136.19	insol	1.070 @ 25 ° C	4.7				