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)
o-ACETOLUIDINE 120-66-1	crystals; colourless	296	110	149.2	sl sol	1.168 @ 15 °C					
1-AMINO-2-METHYL-ANTHRAQUINONE 82-28-0			205.5	237.3	insol						
2-AMINOANTHRA-QUINONE 177-79-3	red or orange-brown needles	sublimes	303-6	233.23	insol						
4-AMINODIPHENYL 92-67-1	colourless crystals which turn purple on contact with air	302	53	169.2	sl sol	1.160	5.8 @ boil-ing point			153 cc	450
o-AMINOPHENOL 95-55-6	crystals, rapidly becoming brown; white rhombic bipyramidal needles from benzene; colourless rhombic needles or plates	153 sublimes	174	109.12	sol	1.328				190	
p-AMINOPHENOL 123-30-8	orthorhombic plates from water; white plates from water; colourless crystals; white or reddish yellow crystals	284 decomp	188	109.13	sl sol						
ANILINE 62-53-3	oily liquid, colourless when pure; colourless with a bluish fluorescence when freshly distilled	184	-6	93.12	sol	1.022	3.22	0.04	1.2 ll 11 ul	70 cc	615
ANILINE HYDROCHLORIDE 142-04-1	crystals	245	198	526.8	v sol	1.22	4.46			193	
o-ANISIDINE 90-04-0	pale yellowish liquid; reddish or yellowish coloured oil; colourless to pink liquid	225	5	123.2	sl sol	1.0923	4.25	<0.133 @ 30 °C		118 oc	
p-ANISIDINE 104-94-9	tablets from water, rhombic plates; crystals; fused crystalline mass	246	57	123.15	sol	1.071 @ 57 °C/4 °C	4.28	<13 Pa		107	
AURAMINE 492-80-8	yellow or colourless plates from alcohol		136	267.4	insol			2.5x 10^{-6} mm Hg @ 25 °C			
1,4-BENZENEDIAMINE DIHYDROCHLORIDE 624-18-0	crystals			181.06	sol		6.2				
BENZIDINE 92-87-5	white or slightly-reddish, crystalline powder;	400	120	184.23	sl sol	1.250	6.36				

	needles, grayish, yellow crystalline powder										
2-CHLORO-4-NITRO-ANILINE 121-87-9	yellow needles from petroleum ether-carbon disulfide, water, 20% acetic acid		108	172.57	misc						
o-CHLOROANILINE 95-51-2	amber liquid	208.8	-14	127.57	insol	1.2114 @ 22 °C/4 °C	4.41	0.05		108	>500
m-CHLOROANILINE 108-42-9	colourless to light amber liquid	230.5	-10	127.57	insol	1.2161	4.4	9 Pa		118 cc	>540
p-CHLOROANILINE 106-47-8	orthorhombic crystals from alcohol or petroleum ether; rhombic prisms; colourless crystals	232	72.5	127.6	sol	1.4	4.4	2 Pa	2.2 ll ? ul	120-123	685
4-CHLORO-*o*-PHENYLENEDIAMINE 95-83-0			76	142.6	sl sol						
5-CHLORO-*o*-TOLUIDINE 95-79-4	grayish-white solid	237 (at 722 mm Hg)	26	141.6							
p-CRESIDINE 120-71-8	white crystals	235	52	137.2	sl sol			1.02x 10^{-2} mm Hg @ 25 °C			
N,N'-DI-2-NAPHTHYL-*p*-PHENYLENEDIAMINE 93-46-9			235	360.43							
2,4-DIAMINOANISOLE 615-05-4			67.5	138.16							
3,3'-DIAMINOBENZIDINE 91-95-2	solid		178-180								
4,4'-DIAMINODI-PHENYLMETHANE 101-77-9		398-399	92.5	198.25	sl sol						
2,4-DIAMINOPHENOL DIHYDROCHLORIDE 137-09-7	grayish-white crystals; needles		205	197.08	v sol						
2,4-DIAMINOTOLUENE 95-80-7	needles from water or crystals from alcohol; prisms; colourless crystals	292	99	122.2	v sol		4.2	0.13 @ 106.5 °C		149	
2,6-DIAMINOTOLUENE 823-40-5	colourless crystals	289	106	122.17	sol			2.13 @ 150 °C			
N,N-DIBUTYLANILINE 613-29-6	amber liquid	267-275			insol	0.904				110	
2,3-DICHLOROANILINE 608-27-5	needles from petroleum ether icsc: colourless crystals	252	24	162.02	insol		5.6	< 0.01 Pa @ 25 °C		>112 cc	
2,4-DICHLOROANILINE 554-00-7	prisms from acetone; needles from diluted alcohol or petroleum ether	245	64	162.0	sl sol	1.567	5.6	<1 Pa @ 25 °C			
2,5-DICHLOROANILINE 95-82-9	light brown or amber-coloured crystalline mass;	251	50	162.0	sl sol	1.54	5.6	<1 Pa @ 25 °C		139	>540

	needles from petroleum ether										
2,6-DICHLOROANILINE 608-31-1	crystals	97	39		insol		5.6				
3,4-DICHLOROANILINE 95-76-1	needles from petroleum ether; fine, light-tan crystals	272	71-72	162.03	insol	1.36	5.6	2 Pa	2.8 @ 152 °C ll 7.2 @ 179 °C ul	166 oc	269
3,3'-DICHLOROBEN-ZIDINE 91-94-1	needles from alcohol or benzene; gray or purple crystalline solid.	402	132-133	253.13	insol			$6x10^{-7}$ Pa			350
DICYCLOHEXYLAMINE NITRITE 3129-91-7				228.32							
m-DIETHYLAMINOPHENOL 91-68-9	white, crystalline solid	276-280	78	165.23	sol						
N,N-DIETHYLANILINE 91-66-7	colourless to yellow liquid; brown oily liquid	216	-38	149.23	sl sol	0.9307	1.0				
N,N-DIMETHYL-*p*--TOLUIDINE 99-97-8	liquid	211		135.20	insol	0.9366	4.7	0.02	1.2 ll 7 ul	83	
DIMETHYLAMINO-AZOBENZENE 60-11-7	yellow crystalline leaflets	decomp	114-117	225.28	13.6 ppm			3.3x10-7 mm Hg (est).			
DIMETHYLANILINE 121-69-7	oily liquid; pale yellow	194	2.5	121.2	sl sol	0.956	4.17	67 Pa		62	371
2,4-DINITROANILINE 97-02-9	yellow needles from diluted acetone, greenish-yellow plates from alcohol.	56.7	188	183.12	insol	1.615 g/ml @ 14 °C	6.31	$5.94x10^{-7}$ mm Hg @ 25 °C		224 cc	
N,N'-DIPHENYL-*p*--PHENYLENEDIAMINE 74-31-7	colourless leaflets from alcohol; commercial grades are greenish-brown; gray powder	220-225 @ 0.5 mm Hg	150-151	260.32	insol	1.20	9.0				
DIPHENYLAMINE 122-39-4	monoclinic leaflets from diluted alcohol; crystals; solid or liquid, very pale tan-amber to brown	302	53	169.2	insol	1.16	5.82	133 Pa @ 108 °C		153 oc	634
1,3-DIPHENYLGUAN-IDINE 102-06-7	monoclinic needles; white powder	170 D	150	211.3	sl sol	1.13					
N-ETHYLANILINE 103-69-5	colourless liquid; clear to straw-coloured, yellow-brown oil	204.5	-63.5	121.2	insol	0.9625	4.2	1 mm Hg @ 38.5 °C			
HYDROXYLAMINE 7803-49-8	large white flakes or white needles; colourless liquid	56.5 @ 22 mm Hg	32.05	33.04	v sol	1.2255 @ 0 °C/4 °C					
HYDROXYLAMINE HYDROCHLORIDE 5470-11-1	crystals		decomp		83 g/100 ml @ 17 °C	1.7					

HYDROXYLAMINE SULPHATE 10039-54-0	colourless crystals		177		sol						
N-ISOPROPYL-N'-PHENYL-p-PHENYLENE-DIAMINE 101-72-4	dark gray to black flakes		72.5	226.3	insol	1.04 @ 25 °C					
N-ISOPROPYLANILINE 768-52-5	yellowish liquid	203		135.2	insol	0.9526 25 °C				878	
MELAMINE 108-78-1	monoclinic prisms; colourless; white		<250	126.13	sl sol	1.573 @ 14 °C	4.34	50 mm Hg @ 315 °C			
p-METHYLAMINO-PHENOL 150-75-4	colourless needles		87	123.17	sol			5.77x 10^{-2} mm Hg @ 25 °C			
METHYLANILINE 100-61-8	colourless to reddish-brown oily liquid	196	-57	107.15	insol	0.989	3.70	133 Pa @ 36 °C		795 cc	
4,4'-METHYLENE BIS(2-CHLOROANILINE) 101-14-4	tan coloured pellets		110	267.15	insol	1.44		1.3x 10^{-3} torr @ 60 °C			
MICHLER'S BASE 101-61-1	lustrous leaflets; yellowish leaflets or glistening plates	390	91.5	254.36	insol						
MICHLER'S KETONE 90-94-8	white to greenish leaflets; leaf in alcohol, needles in benzene	>360 decomp	172	268.35	insol						
1,5-NAPHTHALENE-DIAMINE 2243-62-1	colourless crystals	sublimes	190	158.2	sl sol	1.4					
α-NAPHTHYLAMINE 134-32-7	needles from diluted ethanol and ether; yellow rhombic needles; white crystals; needles, become red on exposure to air or a reddish, crystalline mass	300.8	50	143.18	sl sol	1.0228	4.93	1 mm Hg @ 104.3 °C		157 cc	
β-NAPHTHYLAMINE 91-59-8	colourless crystals which darken in air to a reddish-purple colour	306	113	143.18	sol	1.061 @ 98 °C/4 °C	4.95	1 mm Hg @108.0 °C		157	
o-NITROANILINE 88-74-4	yellow-orange crystals from boiling water; plates or needles; orange solid	284	71	138.1	sl sol	0.9015 @ 25 °C/4 °C		133 Pa @ 104 °C		168	521
m-NITROANILINE 99-09-2	yellow crystals from water; yellow rhombic needles	306	114	138.1	sl sol	0.9011 @ 25 °C/4 °C		0.005 Pa @ 25 °C			
p-NITROANILINE 100-01-6	yellow monoclinic needles; bright yellow powder	332	146	138.12	1 g/1250 ml	1.424	4.77	0.2 Pa		199	180
4,4'-OXYDIANILINE 101-80-4	colourless crystals	>300	186-187	200.2	insol			3.07x 10^{-7} mm Hg @ 25 °C			
N-PHENYL-1-NAPH-THYLAMINE 90-30-2	powder	335	62	219.27	sl sol	1.2					
N-PHENYL-β-NAPH-	needles from methanol;	395.5	108	219.29	insol	1.24					

TYLAMINE 135-88-6	white to yellowish crystals; gray to tan flakes or powder										
m-PHENYLENEBIS-(METHYLAMINE) 1477-55-0	colourless liquid	247		136.2	v sol	1.052		0.03 mm Hg @ 25 °C			
o-PHENYLENEDIAMINE 95-54-5	brownish-yellow leaf from water; plates from chloroform	257	103	108.14	sol				1.5 ll ? ul		
m-PHENYLENEDIAMINE 108-45-2	white crystals becoming red on exposure to air; colourless needles; rhombic crystals from alcohol; colourless rhombic needles	285	63.5	108.14	v sol	1.139	1.1309 @ 5ºC	1 mm Hg @ 99.8 °C			
p-PHENYLENEDIAMINE 106-50-3	white to slightly red crystals; white plates from benzene, ether	267	146	108.14	sl sol	1.14	3.72	<1 mm @ 21 °C	1.5 ll ? ul	156	
N-PHENYLETHANOL-AMINE 122-98-5		286		137.17	sl sol	1.0945					
o-TOLIDINE 119-93-7	white to reddish crystals or crystal powder	300	131.5	212.28	sl sol	1					
o-TOLUIDINE 95-53-4	light yellow liquid becoming reddish brown on exposure to air and light; colourless liquid	200.2	-14.7-16.3	107.15	sl sol	1.008	3.69	0.32 torr			
m-TOLUIDINE 108-44-1	colourless liquid	203	-30.4	107.15	sl sol	0.9889	3.90	1 mm Hg @ 41 °C		861	
p-TOLUIDINE 106-49-0	lustrous plates or leaflets; white solid; colourless leaflets	200.5	44	107.15	sl sol	1.046	3.9	0.34 torr			
2,4,5-TRIMETHYLANILINE 137-17-7	white crystals; needles obtained from water as solvent	235	68	135.2	insol	0.957 @ 25 °C					
TRIPHENYLAMINE 603-34-9	monoclinic crystals from methanol, ethyl acetate, benzene; colourless	365	127	245.3	insol	0.774 @ 0 °C/0 °C					
XYLIDINE 1300-73-8	exists in 6 isomeric forms varying from a light yellow to a brown liquid; all isomers except ortho-4-xylidine are liquids above 27 °C	213-226	-15 - 51	121.18	sl sol	0.97-0.99	4.17	20 Pa	1 ll 7 ul	91	405
2,3-XYLIDINE 87-59-2	liquid	221.5	< -15	121.2	sl sol	0.9931		0.1 mm Hg @ 25 °C	1.0 ll ? ul	97 cc	
2,4-XYLIDINE 95-68-1	colourless liquid	214	-14.3	121.2	sl sol	0.9723		1 mm Hg @ 52.6 °C			
3,4-XYLIDINE 95-64-7	plates of prisms from petroleum ether	226	51	121.2	sl sol	1.076 @ 18 °C					