

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)
1-AMINO-2-METHYL-5-NITROBENZENE 99-55-8	yellow monoclinic prisms from alcohol		105.5	152.2	sl sol			1.3x 10 ⁵ mm Hg			
4-AMINO-2-NITRO-PHENOL 119-34-6	dark red plates or needles from water & alcohol		131	154.1	sol						
1-CHLORO-2,4-DINITROBENZENE 97-00-7	yellow crystals	315	53	202.6	insol	1.7	6.98		2.0 ll 22.0 ul		
1-CHLORO-3-NITROBENZENE 88-73-3	yellow crystals; monoclinic needles	245-246	32-33	157.56	insol	1.305			261		
2-CHLORO-3-NITROBENZENE 121-73-3	pale-yellow orthorhombic prisms from alcohol	236	46	157.6	insol	1.534					
1-CHLORO-4-NITROBENZENE 100-00-5	monoclinic prisms; yellow crystals	242	83.5	157.6	insol	1.3	5.44	20 Pa @ 30 °C		127 cc	510
2,4-DICHLORO-1-NITROBENZENE 611-06-3		258.5	34	192.00	insol	1.4790 @ 80 °C					
1,2-DICHLORO-4-NITROBENZENE 99-54-7	needles from alcohol & carbon tetrachloride; liquid; solid	255.5	43	192.00	insol	1.4558 @ 75 °C/4 °C	6.63	0.014 mm Hg			
3,5-DINITRO- <i>p</i> -TOLUIDINE 19406-51-0			171	197.14							
2,3-DINITROTOLUENE 602-01-7	yellow crystals	250-300	63	182.1	insol	1.3	6.28				
2,6-DINITROTOLUENE 606-20-2	rhombic needles from alcohol; yellow to red solid	285	66	182.1		1.2833 @ 111 °C	6.28	5.67x 10 ⁴ mm Hg		207 cc	
3,4-DINITROTOLUENE 610-39-9	crystals or needles	250-300	58	182.1	insol	1.26	6.28			>110	
DINITROBENZENE 25154-54-5	pale yellow solid; white crystalline solid	300	75-85	168	insol	1.6	5.8	<0.1		150	
1,3-DINITROBENZENE 99-65-0	yellowish crystals; rhombohedral plates from alcohol; pale yellow solid	300-303	90	168.1	sl sol	1.575 @ 18 °C/4 °C	5.8	<0.1		149	
<i>o</i> -DINITROBENZENE 528-29-0	colourless or yellow crystals, needles or plates; needles from benzene, plates; white crystals; pale yellow solid	319	118	168.1	insol	1.3119 120	5.79	<0.1		150 cc	

p-DINITROBENZENE 100-25-4	white crystals; needles from alc; colourless to yellow monoclinic needles; pale yellow solid; yellow crystals	299	174	168.1	insol	1.625 @ 18 °C/4 °C	5.8	<0.1		150	
3,5-DINITROBENZOYL CHLORIDE 99-33-2		196	74	230.56							
1,5-DINITRONAPH- TALENE 605-71-0			219	218.16	insol						
2,3-DINITROPHENOL 66-56-8			144.5	184.10	sl sol	1.681					
2,4-DINITROPHENOL 51-28-5	yellowish to yellow orthorhombic crystals		112-114	184.1	sl sol	1.683 g/ml @ 24 °C	6.35	2x 10 ⁻⁵ mm Hg @ 25 °C			
DINITROTOLUENE 25321-14-6	oily liquid	250-300	54-93	182.14	insol	1.3	6.28	0.13		207 cc	
2,4-DINITROTOLUENE 121-14-2	crystals or oily liquid	300	71	182.1	insol	1.3208 g/ml @ 71 °C	6.27	0.13 @ 103 °C		207 oc	
2,5-DINITROTOLUENE 619-15-8			52.5	182.13		1.282 @ 111					
1-FLUORO-2,4-DINI- TROBENZENE 70-34-8	pale yellow crystals from alcohol	296	25.8	186.10		1.4718 @ 84 °C					
2-METHYL-1-NITRO- ANTHRAQUINONE 129-15-7	pale-yellow needles		270.5	267.2	insol						
N-METHYL-N-NITRO- SOANILINE 614-00-6		225	14.7	136.15	insol	1.1240					
5-NITROACENAPH- THENE 602-87-9			103.5	199.2	sol						
NITROBENZENE 98-95-3	greenish-yellow crystals or yellow, oily liquid	210.8	5.7	123.11	sl sol	1.2037	4.3	20 Pa	1.8 l 40 ul	88 cc	480
4-NITRODIPHENYL 92-93-3	yellow needles; white needles	340	114	199.2	insol						
NITROFEN 1836-75-5	white solid; crystals; crystalline solid; yellow crystalline solid; free-flowing solid, dark brown color	180-190 @ 0.25 mm Hg	70-71	284.10	insol	1.33 @ 90 °C		<0.1 Pa @ 40 °C			
5-NITRO-o-ANISIDINE 99-59-2	orange-red needles from alc, ether, water		118	168.2	sol	1.2068 @ 156 °C		1.3x 10 ⁻⁴ mm Hg @ 25 °C			
1-NITRONAPHTHALENE 86-57-7	yellow crystals	304	61.5	173.2	insol	1.332		4.8x 10 ⁻⁴ mm Hg @ 25 °C		164 cc	

2-NITRONAPHTHALENE 581-89-5		312.5	79	173.16	insol						
<i>o</i> -NITROPHENOL 88-75-5	light yellow needles or prisms; monoclinic	216	44.8	139.1	sl sol	1.495 @ 14 °C		1 mm Hg @ 49.3 °C			
<i>m</i> -NITROPHENOL 554-84-7	monoclinic prisms from ether & dilute hydrochloric acid; colourless to yellow monoclinic form	194 @ 70 mm Hg	97	139.1	sl sol	1.2797 @ 100 °C/4 °C		0.75 torr			
<i>p</i> -NITROPHENOL 100-02-7	colourless to slightly yellow crystals; yellow monoclinic prisms from toluene; yellow to brown solid	279	113.8	139.1	sl sol	1.270	4.8	0.0032 Pa		169	
4-NITROPHENYL-BEN-ZANAMINE 836-30-6	yellow needles or tablets from carbon tetrachloride	211 @ 30 mm Hg	133.5	214.23	insol		7.4				
2-NITRO- <i>p</i> -PHENYL-ENEDIAMINE 5307-14-2	almost black needles with dark-green luster		137	153.1	sol						
<i>p</i> -NITROSODIPHEN-YLAMINE 156-10-5	green plates with bluish luster (from benzene) or steel-blue prisms or plates (from ether water); yellow liquid plates; greenish crystals		143	198.2	sl sol						
<i>m</i> -NITROTOLUENE 99-08-1	yellow liquid	232	15.5	137.1	insol	1.1581	4.73	0.207 mm Hg @ 25 °C		106	
<i>o</i> -NITROTOLUENE 88-72-2	yellowish liquid	222	-10	137.13	insol	1.1629	4.73	0.133 @ 50 °C	2.2 ll ? ul	106 cc	
<i>p</i> -NITROTOLUENE 99-99-0	yellowish crystals; colourless rhombic needles; orthorhombic crystals from alcohol & ether	238.3	53-54	137.1	insol	1.1038 @ 75 /4 °C	4.72	0.173 @ 65 °C		106	
PICRIC ACID 88-89-1	yellow crystals	300	122.5	229.1	sl sol	1.763	7.90	< 1 torr		150	300
TETRYL 479-45-8	colourless to yellow, solid; monoclinic crystals; yellow prisms from alcohol	187	131.5	287.15	insol	1.57		<0.1 Pa		187	
2,4,7-TRINITRO-FLUOREN-9-ONE 129-79-3	pale yellow needles from acetic acid or benzene		176	315.19	sl sol						
2,4,6-TRINITROTOLUENE 118-96-7	monoclinic rhombohedra; commercial crystals (needles) are yellow; colourless or light yellow solid in form of crystals, flakes, pellets, cast blocks & cast slabs; crushed flake	240	80.1	227.13	insol	1.654	7.85	<0.1 Pa			

