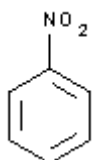
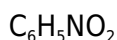
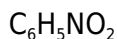


**PRODUCT CODE: 131447****Nitrobenzene (Reag. Ph. Eur.) for analysis, ACS**

M.= 123,11

CAS [98-95-3]

EINECS 202-716-0

TARIC 2904 20 00 90

**SYNONYMS:** Essence of Mirbane

**PHYSICAL DATA:** liquid, Clear, oily, slightly yellow, Soluble in water 1,9 g/l at 20 °C D 20/4 1,205 • M.P.: 6 °C • B.P.: 211 °C • pH(1 g/l)8,1 • n<sub>20</sub>/D : 1,5529 • Flash P.:88 °C • Ign. T.:480 °C • Vap. press. (20 °C) 0,2 hPa • D. M. 20 °C 4 Debye • Dielec. constant 20 °C 34,8 • Heat evap. 40 °C 414 KJ/Kg • Satur. conc. 20 °C 1 g/m<sup>3</sup> • Expl. limit 1,8 %(V) 40 %(V) •

**BIBLIOGRAPHY:** Merck Index **12**, 6.685 13, 6.621 Sax **NEX000** • Safety **2** , **2554 A** • Kühn-Birett **N 27** • Ullmann **(4.)**17 , 387 • Beilstein **5** , **233 I** , **124 II** , **171 III** , **591 IV** , **708** • BRN 507540 • Fieser **2295 7251 8358** • ACS **XI** •

**HAZARDOUS:** C.E: 609-003-00-7 • RTECS: DA 6475000 • LD L0 oral rbt 700 mg/kg • LD50 oral mus 590 mg/kg • LD50 oral rat 780 mg/kg • LD L0 skn rbt 600 mg/kg • LD50 skn rat 2.100 mg/kg • VLA-ED 0,2 ppm 5 mg/m<sup>3</sup>



H: H331 • H311 • H301 • H351 • H372 • H412 • H360F •

P: P201 • P202 • P260 • P261 • P264 • P501 • P270 • P271 • P273 • P280 • P281 • P301+P310 • P302+P352 • P304+P340 • P308+P313 • P311 • P312 • P314 • P321 • P322 • P330 • P361 • P363 • P391 • P403+P233 • P405 •

**TRANSPORT REGULATIONS:** UN: 1662 • ADR: 6.1/II • IMDG: 6.1/II • IATA: 6.1/II • PAX: 654 • CAO: 662 • (D/E) •

**WEIGHT/VOLUME INFORMATION:** 1l~1,203 kg      1kg~0,831 l

**OBSERVATIONS:** Storage in a cool and dry place. •

**SPECIFICATIONS:**

Minimum assay (G.C.)	99,5%
Identity :	
Identity	IR passes test
Density at 20/4	1,201-1,205
Freezing point	5-6°C

**Maximum limit of impurities**

Acidity	0,0004 meq/g
---------	--------------

Non-volatile matter	0,005 %
Chloride (Cl)	0,0005%
1,2-Dinitrobenzene (G.C.)	0,005%
1,3-Dinitrobenzene (G.C.)	0,005%
1,4-Dinitrobenzene (G.C.)	0,005%
Water (H <sub>2</sub> O)	0,05 %

Ca	0,00005 %
Cd	0,000005 %
Co	0,000002 %
Cr	0,000002 %
Cu	0,000002 %
Fe	0,00001 %
Mg	0,00001 %
Mn	0,000002 %
Ni	0,000002 %
Pb	0,00001 %
Zn	0,00001 %