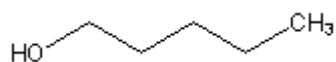


PRODUCT CODE: 141884

1-Pentanol pure

$C_5H_{12}O$

$C_5H_{12}O$



M.= 88,15

CAS [71-41-0]

EINECS 200-752-1

TARIC 2905 19 00 98

SYNONYMS: n-Amyl Alcohol, n-Butylcarbinol, n-Pentyl Alcohol

PHYSICAL DATA: liquid, Clear, Colourless, Soluble in water 27 g/l at 20 °C D 20/4 0,816 • M.P.: -79 °C • B.P.: 138 °C • n_{20/D} : 1,41 • Flash P.: 48 °C • Ign. T.: 300 °C • Vap. press. (20 °C) 3 hPa • Viscosity 20 °C 3,68 mPa.s • Dielec. constant 20 °C 14,7 • Heat evap. 138 °C 427 KJ/Kg • Satur. conc. 20 °C 11 g/m³ • Expl. limit 1,3 %(V) 10,5 %(V) •

BIBLIOGRAPHY: Merck Index **12**, 7.257 13, 7.195 Kühn-Birett **A 70** • Ullmann (**4.**) 7, 536 • Beilstein **1**, **383 I**, **193 II**, **416 III**, **1596 IV**, **1640** • BRN 1730975 • ACS **XI** •

HAZARDOUS: C.E: 603-200-00-1 • RTECS: SB 9800000 • LD50 oral rat 2.200 mg/kg • LC L0 rat 14000mg/m³ / 6h • LD50 skn rbt 3.600 mg/kg • LD50 ipr mus 970 mg/kg



H: H226 • H332 • H335 • H315 •

P: P210 • P233 • P240 • P241 • P242 • P501 • P243 • P261 • P264 • P271 • P280 • P302+P352 • P303+P361+P353 • P304+P340 • P312 • P321 • P332+P313 • P362 • P370+P378 • P403+P233 • P403+P235 • P405 •

TRANSPORT REGULATIONS: UN: 1105 • ADR: 3/III • IMDG: 3/III • IATA: 3/III • PAX: 355 • CAO: 366 • (D/E) •
WEIGHT/VOLUME INFORMATION: 1l-0,815 kg 1kg-1,227 l

SPECIFICATIONS:

Assay (G.C.)

98%

Identity :

Identity

IR passes test

Density at 20/4

0,814-0,816

Non-volatile matter

0,01 %

Carbonyl compounds (as HCHO)	0,1%
Acids and esters	0,15 meq/g
Water (H ₂ O)	0,5 %
Cu	0,0005 %
Fe	0,0005 %
Ni	0,0005 %
Pb	0,0005 %