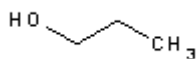
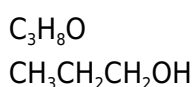


**PRODUCT CODE: 131885****1-Propanol (Reag. USP, Ph. Eur.) for analysis, ACS**

M.= 60,10

CAS [71-23-8]

EINECS 200-746-9

TARIC 2905 12 00 00

FEMA 2928

SYNONYMS: n-Propanol, n-Propyl alcohol

PHYSICAL DATA: liquid, Clear, Colourless, Miscible with water, alcohol, ether and trichloromethane. • D 20/4 0,8035 • M.P.: -126,5 °C • B.P.: 97,4 °C • n_{20/D} : 1,385 • Flash P.:15 °C • Ign. T.:405 °C • Vap. press. (20 °C) 18,7 hPa • Viscosity 20 °C 2,75 mPa.s • D. M. 20 °C 1,7 Debye • Dielec. constant 25 °C 20,1 • Evap. number (DIN 53170) 17 • Heat evap. 97 °C 681 KJ/Kg • Satur. conc. 20 °C 46 g/m³ • Expl. limit 2,1 %(V) 13,5 %(V) •

BIBLIOGRAPHY: Merck Index **13**, 7.934 Sax **PND000** • Safety **2**, **2951 D** • Kühn-Birett **P** 36 • Ullmann (**4.**)19 , 443 • Beilstein **1**, **350 I**, **175 II**, **360 III**, **1397 IV**, **1413** • BRN 1098242 • ACS **XI** • BP.**2018** • Ph. Eur. **8.0** (2014) **9.0** (2017) • F.C.C **11** • Directive 2009/32/CE •

HAZARDOUS: C.E: 603-003-00-0 • RTECS: UH 8225000 • LD L0 oral wmn 5.700 mg/kg • LD50 oral rat 1.870 mg/kg • LC50 mus 48000mg/m³ • LD50 skn rbt 5.040 mg/kg • VLA-EC 250 ppm 625 mg/m³ VLA-ED 200 ppm 500 mg/m³



H: H225 • H318 • H336 •

P: P210 • P233 • P240 • P241 • P242 • P243 • P261 • P271 • P280 • P303+P361+P353 • P304+P340 • P305+P351+P338 • P310 • P312 • P370+P378 • P403+P233 • P403+P235 • P405 • P501 •

TRANSPORT REGULATIONS: UN: 1274 • ADR: 3/II • IMDG: 3/II • IATA: 3/II • PAX: 353 • CAO: 364 • (D/E) •**WEIGHT/VOLUME INFORMATION:** 1l~0,804 kg 1kg~1,244 l

SPECIFICATIONS:

Minimum assay (G.C.)	99,5%
Identity :	
Identity	IR passes test
Density at 20/4	0,803-0,805
Range of Distillation (>95% dist.)	96-98°C

Maximum limit of impurities

APHA colour	10
Acidity	0,0004 meq/g

Alkalinity	0,0006 meq/g
Insoluble matter in H ₂ O	passes test
Non-volatile matter	0,001 %
Darkened substances by H ₂ SO ₄	passes test
Carbonyl compounds (as C ₂ H ₅ CHO)	0,03%
Acetone (G.C.)	0,01%
Ethanol (G.C.)	0,01%
Methanol (G.C.)	0,01%
Propionaldehyde (G.C.)	0,01%
2-Propanol (G.C.)	0,05%
di-n-Propyl Ether (G.C.)	0,1%
Water (H ₂ O)	0,1 %

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 %