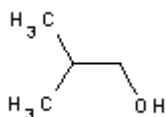
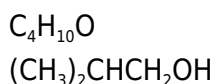


**PRODUCT CODE: 141089****Isobutanol pure**

M.= 74,12

CAS [78-83-1]

EINECS 201-148-0

TARIC 2905 14 90 00

FEMA 2179

SYNONYMS: 2-Methyl-1-Propanol, iso-Butanol, Isobutyl Alcohol, iso-Butyl Alcohol

PHYSICAL DATA: liquid, Clear, Colourless, Soluble in water 95 g/l at 20 °C Hygroscopic • D 20/4 0,803 • M.P.: -108 °C • B.P.: 108 °C • n_{20/D} : 1,3955 • Flash P.:29 °C • Ign. T.:430 °C • Vap. press. (20 °C) 12 hPa • Viscosity 20 °C 6,68 mPa.s • D. M. 20 °C 1,79 Debye • Dielec. constant 20 °C 17,7 • Heat evap. 108 °C 577 KJ/Kg • Satur. conc. 20 °C 36 g/m³ • Expl. limit 1,7 % (V) 10,7 % (V) •

BIBLIOGRAPHY: Merck Index **12**, 5.146 13, 5.148 Sax **IIL000** • Safety **2** , **2422 A** • Kühn-Birett **B 38** • Beilstein **1** , **373 I** , **189 II** , **405 III** , **1550 IV** , **1588** • BRN 1718763 • ACS **XI** • F.C.C **10 11** •

HAZARDOUS: C.E: 603-108-00-1 • RTECS: NP 9625000 • LD L0 oral rbt 3.750 mg/kg • LD50 oral rat 2.460 mg/kg • LC L0 rat 8000ppm / 4h • LD50 skn rbt 3.400 mg/kg • VLA-ED 50 ppm 154 mg/m³



H: H226 • H335 • H315 • H318 • H336 •

P: P210 • P233 • P240 • P241 • P242 • P243 • P261 • P264 • P271 • P280 • P302+P352 • P303+P361+P353 • P304+P340 • P305+P351+P338 • P310 • P312 • P321 • P332+P313 • P362 • P370+P378 • P403+P233 • P403+P235 • P405 • P501 •

TRANSPORT REGULATIONS: UN: 1212 • ADR: 3/III • IMDG: 3/III • IATA: 3/III • PAX: 355 • CAO: 366 • (D/E) •

WEIGHT/VOLUME INFORMATION: 1l~0,802 kg 1kg~1,247 l

SPECIFICATIONS:

Assay (G.C.)	99%
Identity :	
Identity	IR passes test
Density at 20/4	0,801-0,802
Acidity	0,002 meq/g
Non-volatile matter	0,001 %
Isobutanal (G.C.)	0,05%
Water (H2O)	0,1%
Cu	0,00002 %
Fe	0,00005 %
Ni	0,00002 %
Pb	0,00002 %

Ed.: 4 . Vig.: 13.02.2017 .

Prod.: 141089