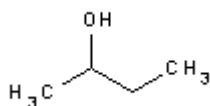


**PRODUCT CODE: 163851****2-Butanol, 99% for synthesis** $C_4H_{10}O$ $C_4H_{10}O$ 

M.= 74,12

CAS [78-92-2]

EINECS 201-158-5

TARIC 2905 14 90 00

SYNONYMS: 2-Hydroxybutane, Methyl Ethyl Carbinol, sec-Butyl Alcohol

PHYSICAL DATA: liquid, Clear, Colourless, Soluble in water 200 g/l D 20/4 0,808 • M.P.: -114,3 °C • B.P.: 99,5 °C
 • n₂₀/D : 1,3978 • Flash P.:31 °C • Ign. T.:390 °C • Vap. press. (20 °C) 17,3 hPa • Viscosity 20 °C 4,21 mPa.s •
 Dielec. constant 25 °C 15,8 • Evap. number (DIN 53170) 20 • Heat evap. 99 °C 561 KJ/Kg • Satur. conc. 20 °C 52 g/m³ • Expl. limit 1,7 % (V) 9,8 % (V) •

BIBLIOGRAPHY: Merck Index **12**, 1.576 13, 1.540 Sax **BPW750** • Safety **2** , **606 B** • Kühn-Birett **B 40** • Ullmann (5.)4 , 471 • Beilstein **1** , **371 I** , **188 II** , **400 III** , **1527 IV** , **1566** • BRN 773649 •

HAZARDOUS: C.E: 603-127-00-5 • RTECS: EO 1750000 • LD50 oral rat 6.480 mg/kg • LC L0 rat 16000ppm / 4h •
 LD L0 inh rat 16000 ppm / 4h • LD50 ipr mus 771 mg/kg VLA-ED 100 ppm 308 mg/m³



H: H226 • H319 • H335 • H336 •

P: P210 • P233 • P240 • P241 • P242 • P501 • P243 • P261 • P264 • P271 • P280 • P303+P361+P353 •
 P304+P340 • P305+P351+P338 • P312 • P337+P313 • P370+P378 • P403+P233 • P403+P235 • P405 •

TRANSPORT REGULATIONS: UN: 1120 • ADR: 3/III • IMDG: 3/III • IATA: 3/III • PAX: 355 • CAO: 366 • (D/E) •**WEIGHT/VOLUME INFORMATION:** 1l~0,807 kg 1kg~1,239 l

SPECIFICATIONS:

Minimum assay (G.C.)	99%
Identity :	
Identity	IR passes test
Density at 20/4	0,805-0,809
Non-volatile matter	0,002 %
Water (H2O)	0,1 %

Ed.: 3 . Vig.: 15.01.2011 .

Prod.: 163851