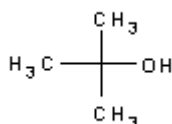
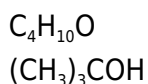


**PRODUCT CODE: 131903****2-Methyl-2-Propanol (Reag. Ph. Eur.) for analysis, ACS**

M.= 74,12

CAS [75-65-0]

EINECS 200-889-7

TARIC 2905 14 10 00

SYNONYMS: tert-Butanol, tert-Butyl Alcohol, Trimethylcarbinol

PHYSICAL DATA: crystals, crystalline mass, Colourless or white, Miscible with water • D 0,7858 • M.P.: 25,6 °C • B.P.: 82,4 °C • n_D²⁰: 1,3846 • Flash P.: 11 °C • Ign. T.: 470 °C • Vap. press. (20 °C) 40 hPa • Viscosity 30 °C 3,35 mPa.s • D. M. 20 °C 1,7 Debye • Dielec. constant 30 °C 10,9 • Satur. conc. 20 °C 121 g/m³ • Expl. limit 2,3 % (V) 8 % (V) •

BIBLIOGRAPHY: Merck Index **12**, 1.577 13, 1.541 Sax **BPX000** • Safety **2**, **2422 D** • Kühn-Birett **B 41** • Ullmann **(5.)4**, 471 • Beilstein **1**, **379 I**, **192 II**, **413 III**, **1568 IV**, **1609** • BRN 906698 • ACS **XI** •

HAZARDOUS: C.E: 603-005-00-1 • RTECS: EO 1925000 • TDLo oral mus 103.000 mg/kg • LD50 oral rat 3.500 mg/kg • LD50 ipr mus 933 mg/kg VLA-EC 150 ppm 462 mg/m³ VLA-ED 100 ppm 308 mg/m³



H: H225 • H332 • H319 • H335 •

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/II • IMDG: 3/II • IATA: 3/II • PAX: 353 • CAO: 364 • (D/E) •

WEIGHT/VOLUME INFORMATION: 1l~0,78 kg 1kg~1,28 l

SPECIFICATIONS:

Minimum assay (G.C.)	99,5%
Identity :	
Identity	IR passes test
Range of Distillation (>95% dist.)	81-83°C
Freezing point	>25°C

Maximum limit of impurities

APHA colour	20
Acidity	0,001 meq/g
Alkalinity	0,0005 meq/g
Insoluble matter in H ₂ O	passes test
Non-volatile matter	0,003 %
Carbonyl compounds (as HCHO)	0,01%
1-Butanol (G.C.)	0,05%
Isobutanol (G.C.)	0,05%
2-Butanol (G.C.)	0,2%
Water (H ₂ O)	0,1 %

Metals by ICP [in mg/Kg (ppm)]

Ag	0,05
Al	0,5
As	0,05
Au	0,1
B	0,02
Ba	0,1
Be	0,02
Bi	0,05
Ca	0,5
Cd	0,05
Co	0,02
Cr	0,02
Cu	0,02
Fe	0,1
Ge	0,05
Hg	0,05
In	0,05
K	0,1
Li	0,05
Mg	0,1
Mn	0,02
Mo	0,02
Na	0,5
Ni	0,02
P	0,2
Pb	0,1
Pt	0,1
Sb	0,02
Si	0,2
Sn	0,1
Sr	0,2
Ti	0,02
Tl	0,05

V	0,02
Zn	0,1
Zr	0,02

Ed.: 3 . Vig.: 15.01.2011 .

Prod.: 131903