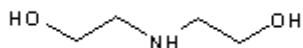
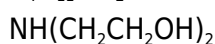
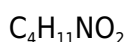
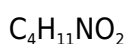




PRODUCT CODE: 131287

Diethanolamine for analysis, ACS



M.= 105,14

CAS [111-42-2]

EINECS 203-868-0

TARIC 2922 12 00 00

SYNONYMS: 2,2'-Dioxydiethylamine, 2,2'-Iminodiethanol, Bis(b-Hydroxyethyl)Amine

PHYSICAL DATA: liquid, Clear, Colourless, Miscible with water • Hygroscopic • D 30/4 1,0881 • M.P.: 28 °C • B.P.: 271 °C • pH(10 g/l sol.)11 • n₂₀/D : 1,4776 • Flash P.:137 °C • Ign. T.:370 °C • Vap. press. (20 °C) 0,01 hPa • Viscosity 30 °C 352 mPa.s • D. M. 30 °C 2,81 Debye • Expl. limit 2,1 % (V) 10,6 % (V) •

BIBLIOGRAPHY: Merck Index **12**, 3.156 13, 3.134 Sax **BKA750** • Safety **2**, **1183 D** • Kühn-Birett **D 6** • Ullmann (5.)10 , 1 • Beilstein **4**, **283 II**, **729 III**, **689 IV**, **1514** • BRN 605315 • ACS **XI** • USP **-NF 36** •

HAZARDOUS: C.E: 603-071-00-1 • RTECS: KL 2975000 • LD50 oral rat 710 mg/kg • LD50 skn rbt 12.200 mg/kg • VLA-ED 0,46 ppm2 mg/m3



H: H302 • H315 • H318 • H373 •

P: P260 • P264 • P270 • P280 • P301+P312 • P302+P352 • P305+P351+P338 • P310 • P314 • P321 • P330 • P332+P313 • P362 • P501 •

TRANSPORT REGULATIONS: UN: 1760 • ADR: 8/III • IMDG: 8/III • IATA: 8/III • PAX: 852 • CAO: 856 • (E) •

WEIGHT/VOLUME INFORMATION: 1l~1,09 kg 1kg~0,91 l

SPECIFICATIONS:

Minimum assay (G.C.)	99,0%
Identity :	
Identity	IR passes test
Freezing point	27-28°C

Maximum limit of impurities

APHA colour	15
Residue on ignition (as SO ₄)	0,002 %
Chloride (Cl)	0,001%
Apparent equivalent weight	104,0-106,0
Ethanolamine (G.C.)	0,3%
Triethanolamine (G.C.)	0,3%
Water (H ₂ O)	0,15 %
Heavy metals (as Pb)	0,0001%
Fe	0,0001 %

Ed.: 3 . Vig.: 15.01.2011 .

Prod.: 131287