

**PRODUCT CODE: 131924****Ethanolamine for analysis, ACS** C_2H_7NO $NH_2CH_2CH_2OH$ 

M.= 61,08

CAS [141-43-5]

EINECS 205-483-3

TARIC 2922 11 00 00

SYNONYMS: 2-Aminoethanol, mono-Ethanolamine

PHYSICAL DATA: liquid, Clear, Colourless, Miscible with water • D 25/4 1,0117 • M.P.: 10,3 °C • B.P.: 170,8 °C
 • pH12,3 • n_D20/D : 1,4539 • Flash P.:93 °C • Ign. T.:410 °C • Vap. press. (20 °C) 0,7 hPa • Viscosity 20 °C 23 mPa.s • D. M. 20 °C 2,27 Debye • Heat evap. 170 °C 963 KJ/Kg • Expl. limit 2,5 %(V) 13,1 %(V) •

BIBLIOGRAPHY: Merck Index **13**, 3.762 Sax **MRH500** • Safety **2**, **1574 B** • Kühn-Birett **A 54** • Ullmann **(5.)10**, 1 • Beilstein **4**, **274 I**, **424 II**, **717 III**, **636 IV**, **1496** • BRN 505944 • Fieser **1357 2189 4222** • ACS **XI** • BP.**2018**
 • USP -NF **36** •

HAZARDOUS: C.E: 603-030-00-8 • RTECS: KJ 5775000 • LD50 oral rat 1.720 mg/kg • LD50 skn rbt 1.000 mg/kg • VLA-EC 3 ppm15 mg/m3 VLA-ED 1 ppm7,5 mg/m3



H: H332 • H312 • H302 • H314 • H335 •

P: P260 • P261 • P264 • P270 • P271 • P280 • P301+P312 • P301+P330+P331 • P302+P352 • P303+P361+P353
 • P304+P340 • P305+P351+P338 • P310 • P312 • P321 • P322 • P330 • P338 • P363 • P405 • P501 • P403+P233
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TRANSPORT REGULATIONS: UN: 2491 • ADR: 8/III • IMDG: 8/III • IATA: 8/III • PAX: 852 • CAO: 856 • (E) •**WEIGHT/VOLUME INFORMATION:** 1l~1,015 kg 1kg~0,985 l

SPECIFICATIONS:

Minimum assay (G.C.)	99,0%
Identity :	
Identity	IR passes test
Density at 20/4	1,016-1,020

Maximum limit of impurities

APHA colour	15
Non-volatile matter	0,2 %
Ethanol (G.C.)	0,1%
Triethanolamine (G.C.)	0,1%
Diethanolamine (G.C.)	0,3%
Water (H2O)	0,3 %
Heavy metals (as Pb)	0,0005%

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

Ca	0,5
Cd	0,05
Co	0,02
Cr	0,02
Cu	0,1
Fe	5
Mg	5
Mn	0,05
Ni	0,02
Pb	0,1