

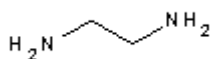


PRODUCT CODE: 161869

Ethylenediamine, 99% for synthesis

$C_2H_8N_2$

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M.= 60,10 CAS [107-15-3] EINECS 203-468-6
TARIC 2921 21 00 00

SYNONYMS: 1,2-Diaminoethane, 1,2-Ethanediamine

PHYSICAL DATA: liquid, Clear, Colourless, Miscible with water D 20/4 0,898 M.P.: 8,5 C B.P.: 116,5 C pH(250 g/l)12
n₂₀/D : 1,454 Flash P.:34 C Ign. T.:385 C Vap. press. (20 C) 12 hPa Viscosity 25 C 1,54 mPa.s Dielec. constant18 C
16 Heat evap. 116,5 C 700 KJ/Kg Satur. conc. 20 C 29 g/m³ Expl. limit2,7 %(V)16,6 %(V)

BIBLIOGRAPHY: Merck Index **12**, 3.841 13, 3.829 Sax **EEA500** Kühn-Birett **A** 29 Ullmann **(5.)2** , 23 Beilstein **4** ,
230 I , **398 II** , **676 III** ,**478 IV** , **1166** BRN 605263 Fieser **1372 4231 10297 12338 13157 BP.2020 USP 42** Ph.
Eur. **9.0** (2017) **10.0** (2020)

HAZARDOUS:C.E: 612-006-00-6 RTECS: KH 8575000 LD50 oral rat 500 mg/kg TC L0 man 200ppm LC L0 mus
300g/m³ / 1h LC L0 inh rat 4000 ppm / 8h LD50 skn rbt 730 mg/kg LD50 ipr mus 200 mg/kg TLV-TWA 10 ppm25
mg/m³ VLA-ED 10 ppm25 mg/m³



H: H226 H302+H332 H311 H314 H334 H317 H412

P: P210 P233 P240 P241 P242 P243 P260 P261 P264 P270 P272 P280 P285 P301+P312 P301+P330+P331
P302+P352 P303+P361+P353 P304+P340 P304+P341 P305+P351+P338 P310 P312 P321 P322 P330 P333+P313
P338 P342+P311 P363 P370+P378 P403+P235 P405 P501

TRANSPORT REGULATIONS: UN: 1604 ADR: 8(3)/II IMDG: 8(3)/II IATA: 8(3)/II PAX: 851 CAO: 855 (D/E)

WEIGHT/VOLUME INFORMATION: 1l~0,899 kg 1kg~1,112 l

SPECIFICATIONS:

Minimum assay (G.C.)	99%
Identity :	
Identity	IR passes test
Density at 20/4	0,897-0,900
Water (H2O)	1 %

Ed.: 3 . Vig.: 15.01.2011 .

Prod.: 161869