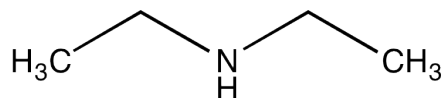


Identification

$C_4H_{11}N$
 M = 73,14 g/mol
 CAS [109-89-7]
 EC number: 203-716-3
 Taric code: 2921 19 50


Synonyms

N-Ethylethanamine




Applications

analytical chemistry, synthesis of organic products, in the rubber industry, for pharmaceuticals synthesizing, manufacture of dyes, resins, in the petroleum industry.

Specifications

assay (G.C.).....	min. 99,5 %	iron (Fe).....	max. 0,00001 %
identity (IR-spectrum).....	passes test	lead (Pb).....	max. 0,00001 %
density (20°/4°).....	0,703 - 0,705	magnesium (Mg).....	max. 0,00001 %
density (20°/20°).....	0,704 - 0,706	manganese (Mn).....	max. 0,000002 %
colour (Hazen).....	max. 20	nickel (Ni).....	max. 0,000002 %
boiling point.....	54 - 56 °C	zinc (Zn).....	max. 0,00001 %
chlorides (Cl).....	max. 0,0005 %	ethanol (G.C.).....	max. 0,05 %
ammonium (NH ₄).....	max. 0,02 %	monoethylamine (G.C.).....	max. 0,2 %
cadmium (Cd).....	max. 0,000005 %	triethylamine (G.C.).....	max. 0,2 %
calcium (Ca).....	max. 0,00005 %	residue on evaporation.....	max. 0,01 %
chromium (Cr).....	max. 0,000002 %	water (K.F.).....	max. 0,1 %
cobalt (Co).....	max. 0,000002 %		
copper (Cu).....	max. 0,000002 %		
heavy metals (as Pb).....	max. 0,00005 %		

Packaging
Packaging Code

250 ml  DI04860250
 1 l  DI04861000
 25 l  DI0486025P

Physical data

- Density: 0,71 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: -48 °C
- Boiling point: 56 °C
- Flash point: -23 °C
- Ignition temperature: 310 °C
- Vapour pressure: (20 °C) 260 hPa
- Refraction index: (n 20 °C/D) 1,3861
- Expl. limit (upper): 10,1 Vol%
- Expl. limit (lower): 1,7 Vol%
- pH(100 g/l H₂O, 20 °C) > 12

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H225: Highly flammable liquid and vapour.
 H314: Causes severe skin burns and eye damage.
 H302: Harmful if swallowed.
 H312: Harmful in contact with skin.
 H332: Harmful if inhaled.


Precautionary Statements:

- P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.
 P241: Use explosion-proof electrical / ventilating / lighting / equipment.
 P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P405: Store locked up.
 P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Toxicological data

- LD 50 (oral, rat): 540 mg/kg
- MAK: 5 ml/m³, 15 mg/m³
- WGK: 1
- Poison class CH (Swiss): 3

Transport/storage

- ADR: 3 FC II • UN 1154 • DIETHYLAMINE
- IMDG: 3 II • UN 1154 • DIETHYLAMINE
- IATA/ICAO: 3 II • UN 1154 • DIETHYLAMINE
- PAX: 306
- CAO: 308