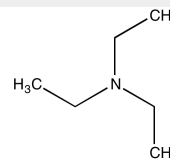


Identification

$C_6H_{15}N$
 M = 101,19 g/mol
 CAS [121-44-8]
 EC number: 204-469-4
 Taric code: 2921 19 99


Synonyms

N,N-Diethylethanamine

Applications

analytical chemistry, laboratory reagent, synthesis of organic products, in the preparation of quaternary ammonium compounds.

Specifications

assay (G.C.).....	min. 99,5 %	heavy metals (as Pb).....	max. 1 ppm
identity (IR-spectrum).....	passes test	iron (Fe).....	max. 0,1 ppm
refractive index n ₂₀ /D.....	1,400 - 1,402	lead (Pb).....	max. 0,1 ppm
density (20°/20°).....	0,727 - 0,729	magnesium (Mg).....	max. 0,1 ppm
chlorides (Cl).....	max. 0,001 %	manganese (Mn).....	max. 0,02 ppm
sulfates (SO ₄).....	max. 0,001 %	nickel (Ni).....	max. 0,02 ppm
cadmium (Cd).....	max. 0,05 ppm	zinc (Zn).....	max. 0,1 ppm
calcium (Ca).....	max. 0,5 ppm	diethylamine (G.C.).....	max. 0,05 %
chromium (Cr).....	max. 0,02 ppm	ethanol (G.C.).....	max. 0,05 %
cobalt (Co).....	max. 0,02 ppm	residue on evaporation.....	max. 0,002 %
copper (Cu).....	max. 0,02 ppm	water (K.F.).....	max. 0,1 %

Physical data

- Density: 0,73 g/cm³
- Solub. in water: (20 °C): 133 g/l
- Melting point: -115 °C
- Boiling point: 90 °C
- Flash point: -11 °C
- Ignition temperature: 215 °C
- Vapour pressure: (20 °C) 69 hPa
- Saturation conc.: (20 °C) 256 g/m³
- Expl. limit (upper): 9,3 Vol%
- Expl. limit (lower): 1,2 Vol%
- pH(100 g/l H₂O, 15 °C) 12,7

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): 460 mg/kg
- MAK: 1 ml/m³, 4,2 mg/m³
- WGK: 1
- Poison class CH (Swiss): 3

Transport/storage

- ADR: 3 FC II • UN 1296 • TRIETHYLAMINE
- IMDG: 3 II • UN 1296 • TRIETHYLAMINE
- IATA/ICAO: 3 II • UN 1296 • TRIETHYLAMINE
- PAX: 305
- CAO: 307
- Store between 15°C and 25°C