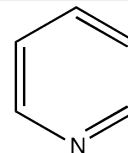


Identification

C₅H₅N
 M = 79,10 g/mol
 CAS [110-86-1]
 EC number: 203-809-9
 Taric code: 2933 31 00





Applications

solvents, synthesis of organic products, analytical chemistry.

Specifications

assay (G.C.).....	min. 99,5 %	copper (Cu).....	max. 0,000002 %
identity (IR-spectrum).....	passes test	iron (Fe).....	max. 0,00001 %
density (20°/4°).....	0,982 - 0,984	lead (Pb).....	max. 0,00001 %
appearance.....	clear	magnesium (Mg).....	max. 0,00001 %
colour (Hazen).....	max. 10	manganese (Mn).....	max. 0,000002 %
solubility in water.....	passes test	nickel (Ni).....	max. 0,000002 %
chlorides (Cl).....	max. 0,0005 %	tin (Sn).....	max. 0,00001 %
sulfates (SO ₄).....	max. 0,0005 %	zinc (Zn).....	max. 0,00001 %
aluminium (Al).....	max. 0,00005 %	2-picoline (G.C.).....	max. 0,2 %
barium (Ba).....	max. 0,00001 %	piperidine (G.C.).....	max. 0,01 %
boron (B).....	max. 0,000002 %	ammonia (NH ₃).....	max. 0,002 %
cadmium (Cd).....	max. 0,000005 %	reducing substances.....	passes test
calcium (Ca).....	max. 0,00005 %	residue on evaporation.....	max. 0,001 %
chromium (Cr).....	max. 0,000002 %	water (K.F.).....	max. 0,005 %
cobalt (Co).....	max. 0,000002 %		

Packaging
Packaging Code

100 ml  PI01250100
 100 ml  PI01250500
 1 l  PI01251000

Physical data

- Density: 0,98 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: -42 °C
- Boiling point: 115 °C
- Flash point: 17 °C
- Ignition temperature: 550 °C
- Vapour pressure: (20 °C) 20 hPa
- Refraction index: (n 20 °C/D) 1,5092
- Viscosity: (20 °C) 0,95 mPas
- Dipolar moment: (20 °C) 2,2 Debye
- Dielectric const.: (25 °C) 12,3
- Evap. heat: (115 °C) 511 KJ/kg
- Saturation conc.: (20 °C) 65 g/m³
- Expl. limit (upper): 12,4 Vol%
- Expl. limit (lower): 1,7 Vol%
- pH(16 g/l H₂O, 20 °C) 8,5
- Hygroscopic

Safety - GHS

Signal Word: Danger

Hazard Statements:

H225: Highly flammable liquid and vapour.
 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.
 P261: Avoid breathing dust / fume / gas / mist / vapours / spray.
 P280: Wear protective gloves / protective clothing / eye protection / face protection.
 P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
 P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Toxicological data

- LD 50 (oral, rat): 891 mg/kg
- MAK: 5 ml/m³, 16 mg/m³
- WGK: 2
- Poison class CH (Swiss): 4

Transport/storage

- ADR: 3 F1 II • UN 1282 • PYRIDINE
- IMDG: 3 II • UN 1282 • PYRIDINE
- IATA/ICAO: 3 II • UN 1282 • PYRIDINE
- PAX: 305
- CAO: 307