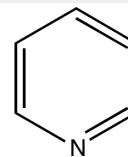


Identification

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. 0,02 ppm
identity (IR-spectrum).....	passes test	iron (Fe).....	max. 0,1 ppm
density (20°/4°).....	0,982 - 0,984	lead (Pb).....	max. 0,1 ppm
appearance.....	clear	magnesium (Mg).....	max. 0,1 ppm
colour (Hazen).....	max. 10	manganese (Mn).....	max. 0,02 ppm
solubility in water.....	passes test	nickel (Ni).....	max. 0,02 ppm
chlorides (Cl).....	max. 0,0005 %	tin (Sn).....	max. 0,1 ppm
sulfates (SO ₄).....	max. 0,0005 %	zinc (Zn).....	max. 0,1 ppm
aluminium (Al).....	max. 0,5 ppm	2-picoline (G.C.).....	max. 0,2 %
barium (Ba).....	max. 0,1 ppm	piperidine (G.C.).....	max. 0,01 %
boron (B).....	max. 0,02 ppm	ammonia (NH ₃).....	max. 0,002 %
cadmium (Cd).....	max. 0,05 ppm	reducing substances.....	passes test
calcium (Ca).....	max. 0,5 ppm	residue on evaporation.....	max. 0,001 %
chromium (Cr).....	max. 0,02 ppm	water (K.F.).....	max. 0,005 %
cobalt (Co).....	max. 0,02 ppm		

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