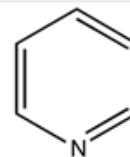


**Identification**

$C_5H_5N$   
 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 %	cobalt (Co).....	max. 0,02 ppm
identity (IR-spectrum).....	passes test	copper (Cu).....	max. 0,02 ppm
density (20°/4°).....	0,982 - 0,984	iron (Fe).....	max. 0,1 ppm
appearance.....	clear	lead (Pb).....	max. 0,1 ppm
solubility in water.....	passes test	magnesium (Mg).....	max. 0,1 ppm
colour (Hazen).....	max. 10	manganese (Mn).....	max. 0,02 ppm
boiling point.....	114 - 116 °C	nickel (Ni).....	max. 0,02 ppm
chlorides (Cl).....	max. 0,0005 %	tin (Sn).....	max. 0,1 ppm
sulfates (SO <sub>4</sub> ).....	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 <sub>3</sub> ).....	max. 0,002 %
cadmium (Cd).....	max. 0,05 ppm	reducing substances.....	passes test
calcium (Ca).....	max. 0,5 ppm	residue on evaporation.....	max. 0,002%
chromium (Cr).....	max. 0,02 ppm	water (K.F.).....	max. 0,05 %

**Physical data**

- Density: 0,98 g/cm<sup>3</sup>
- 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/m<sup>3</sup>
- Expl. limit (upper): 12,4 Vol%
- Expl. limit (lower): 1,7 Vol%
- pH(16 g/l H<sub>2</sub>O, 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.  
 P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.  
 P370+P378: In case of fire: Use ... for extinction.  
 P403+P235: Store in a well-ventilated place. Keep cool.  
 P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**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
- 10°C - 30°C