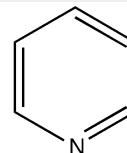


## Identification

$C_5H_5N$   
 $M = 79,10 \text{ g/mol}$   
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 %  
identity (IR-spectrum).....passes test  
density (20°/4°).....0,982 - 0,984  
chlorides (Cl).....max. 0,005 %  
sulfates (SO<sub>4</sub>).....max. 0,005 %  
ammonia (NH<sub>3</sub>).....max. 0,005 %  
copper (Cu).....max. 0,2 ppm

iron (Fe).....max. 0,5 ppm  
lead (Pb).....max. 0,2 ppm  
nickel (Ni).....max. 0,2 ppm  
2-methylpyridine.....max. 0,2 %  
piperidine (G.C.).....max. 0,05 %  
residue on evaporation.....max. 0,002%  
water (K.F.).....max. 0,1 %

## 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