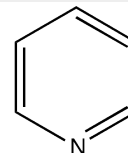


Pyridine, 99,5%, anhydrous (max. 0,005% H₂O), with molecular sieves
Identification

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. 0,2 ppm
identity (IR-spectrum).....	passes test	iron (Fe).....	max. 0,5 ppm
density (20°/4°).....	0,982 - 0,984	lead (Pb).....	max. 0,2 ppm
chlorides (Cl).....	max. 0,005 %	nickel (Ni).....	max. 0,2 ppm
sulfates (SO ₄).....	max. 0,005 %	piperidine (G.C.).....	max. 0,05 %
ammonia (NH ₃).....	max. 0,005 %	water (K.F.).....	max. 0,005 %

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.
 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