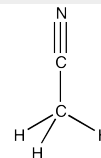


Identification

CH₃CN
 M = 41,05 g/mol
 CAS [75-05-8]
 EC number: 200-835-2
 Taric code: 2926 90 95


Synonyms

Methyl cyanide, Cyanomethane









Applications

chromatography, synthesis of organic products, solvents.

Specifications

assay (G.C.).....	min. 99,9 %	min. transmission/max. absorbance	
identity (IR-spectrum).....	passes test	in a 1,0 cm cell at	
density (20°/4°).....	0,779 - 0,783	wavelength:	T(%) A (AU)
acidity.....	max. 0,0002 meq/g	200 nm.....	90 % 0,046 AU
alkalinity.....	max. 0,0001 meq/g	205 nm.....	92 % 0,036 AU
residue on evaporation.....	max. 0,0002 %	210 nm.....	95 % 0,022 AU
water (K.F.).....	max. 0,02 %	220 nm.....	98 % 0,009 AU
gradient grade (240 nm)		Microfiltered through membranes	
maximum background absorbance:	0,01 AU	of pore diameter 0,22 µm	
maximum peak absorbance:	0,0015 AU		

Packaging
Packaging Code

- 1 l  AC03291000
- 2,5 l  AC03292500
- 4 l  AC03294000
- 7 l  AC0329007E
- 25 l  AC0329025S
- 30 l  AC0329030S
- 100 l  AC0329100S
- 185 l  AC0329185E

Physical data

- Density: 0,786 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: -45,7 °C
- Boiling point: 81,6 °C
- Flash point: 2 °C
- Ignition temperature: 524 °C
- Vapour pressure: (20 °C) 97 hPa
- Refraction index: (n 20 °C) 1,3442
- Viscosity: (20 °C) 0,39 mPas
- Dipolar moment: (20 °C) 3,44 Debye
- Dielectric const.: (20 °C) 37,5
- Evap. heat: (81 °C) 833 KJ/kg
- Saturation conc.: (20 °C) 163 g/m³
- Expl. limit (upper): 17 Vol%
- Expl. limit (lower): 3,0 Vol%

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.
- H319: Causes serious eye irritation.

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.
- P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Toxicological data

- LD 50 (oral, rat): 2730 - 3800 mg/kg
- MAK: 20 ml/m³, 34 mg/m³
- WGK: 2
- Poison class CH (Swiss): 2

Transport/storage

- ADR: 3 F1 II • UN 1648 • ACETONITRILE
- IMDG: 3 II • UN 1648 • ACETONITRILE
- IATA/ICAO: 3 II • UN 1648 • ACETONITRILE
- PAX: 305
- CAO: 307
- Store between 15°C and 25°C