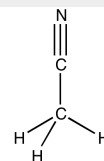


### Identification

CH<sub>3</sub>CN  
M = 41,05 g/mol  
CAS [75-05-8]  
EC number: 200-835-2  
Taric code: 2926 90 95



### Synonyms



Methyl cyanide, Cyanomethane

assay (G.C.).....	min. 99,8 %
colour (Hazen).....	max. 10
identity (IR-spectrum).....	conforms
residue on evaporation.....	max. 3 ppm
Suitable for residue analysis	
water (K.F.) .....	max . 0,05 %

GC/MSD (retention range n-undecane  
ton-tetracontane, scanning area  
30 - 600 amu, individual signals  
(n-tetradecane standard))..... max. 3,0 ng/ml (ppb)

### Packaging

**Packaging Code**

- 1 l  AC03661000
- 2,5 l  AC03662500

### Physical data

- Density: 0,786 g/cm<sup>3</sup>
- 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/m<sup>3</sup>
- 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/m<sup>3</sup>, 34 mg/m<sup>3</sup>
- 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