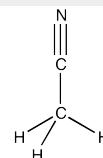


**Identification**

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


**Applications**

chromatography, synthesis of organic products, solvents.

**Specifications**

assay (G.C.).....	min. 99,8 %	minimum transmission in a	
identity (IR-spectrum).....	passes test	1,0 cm cell at	
density (20°/4°).....	0,779 - 0,783	wavelength:	transmission:
acidity.....	max. 0,001 meq/g	200 nm.....	88 %
alkalinity.....	max. 0,0002 meq/g	225 nm.....	98 %
residue on evaporation.....	max. 0,0001 %		
water (K.F.).....	max. 0,003 %	Microfiltered through membranes	
		of pore diameter 0,22 µm	

**Packaging**
**Packaging Code**

2,5 l  AC03362500

**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