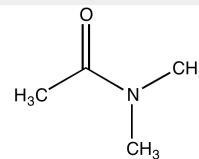


Identification

C₄H₉NO
M = 87,12 g/mol
CAS [127-19-5]
EC number: 204-826-4
Taric code: 2924 19 00


Synonyms

Acetic acid dimethylamide

Applications

laboratory reagent, solvents (synthesis of organic products).

Specifications

assay (G.C.).....	min. 99,5 %	cobalt (Co).....	max. 0,02 ppm
identity (IR-spectrum).....	passes test	copper (Cu).....	max. 0,2 ppm
density (20°/4°).....	0,940 - 0,942	heavy metals (as Pb).....	max. 0,05 ppm
free acid (as CH ₃ COOH).....	max. 0,01 %	iron (Fe).....	max. 0,1 ppm
free alkali (as (CH ₃) ₂ NH).....	max. 0,01 %	lead (Pb).....	max. 0,1 ppm
chlorides (Cl).....	max. 0,001 %	magnesium (Mg).....	max. 0,1 ppm
sulfates (SO ₄).....	max. 0,001 %	manganese (Mn).....	max. 0,02 ppm
cadmium (Cd).....	max. 0,05 ppm	nickel (Ni).....	max. 0,02 ppm
calcium (Ca).....	max. 0,5 ppm	residue on evaporation.....	max. 0,0005 %
chromium (Cr).....	max. 0,02 ppm	water (K.F.).....	max. 0,005 %

Physical data

- Density: 0,94 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: -20 °C
- Boiling point: 165 -166 °C
- Flash point: 64 °C
- Ignition temperature: 320 °C
- Vapour pressure: (20 °C) 1,76 hPa
- Refraction index: (n 20 °C/D) 1,4230
- Dipolar moment: (20 °C) 3,8 Debye
- Dielectric const.: (25 °C) 37,8
- Saturation conc.: (20 °C) 12 g/m³
- Expl. limit (upper): 11,5 Vol%
- Expl. limit (lower): 1,7 Vol%
- pH(200 g/l H₂O, 20 °C) ~ 4
- Hygroscopic

Safety - GHS

Signal Word: Danger


Hazard Statements:

- H360D: May damage the unborn child.
H312: Harmful in contact with skin.
H332: Harmful if inhaled.

Precautionary Statements:

- P261: Avoid breathing dust / fume / gas / mist / vapours / spray.
P280: Wear protective gloves / protective clothing / eye protection / face protection.
P281: Use personal protective equipment as required.
P322: Specific measures (see on this label).
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Toxicological data

- LD 50 (oral, rat): 4300 mg/kg
- MAK: 10 ml/m³, 36 mg/m³
- WGK: 1
- Poison class CH (Swiss): 2

Transport/storage

- Store between 15°C and 25°C