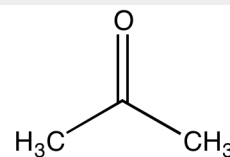


Identification

C_3H_6O
 M = 58,08 g/mol
 CAS [67-64-1]
 EC number: 200-662-2
 Taric code: 2914 11 00


Synonyms

Dimethyl ketone, 2-Propanone

Applications

solvents, analytical chemistry, synthesis of organic products, photography.

Specifications

| | | | |
|----------------------------------|-------------------|---|---------------|
| assay (G.C.)..... | min. 99,5 % | magnesium (Mg)..... | max. 0,1 ppm |
| identity (IR-spectrum)..... | passes test | manganese (Mn)..... | max. 0,01 ppm |
| density (20°/4°)..... | 0,787 - 0,791 | nickel (Ni)..... | max. 0,01 ppm |
| resistivity..... | min. 5 MΩ·cm | zinc (Zn)..... | max. 0,01 ppm |
| acidity..... | max. 0,0003 meq/g | aldehydes (as HCHO)..... | max. 0,0002 % |
| alkalinity..... | max. 0,0006 meq/g | ethanol (G.C.)..... | max. 0,01 % |
| chlorides (Cl)..... | max. 0,0001 % | methanol (G.C.)..... | max. 0,05 % |
| sulfates (SO ₄)..... | max. 0,0001 % | 2-propanol (G.C.)..... | max. 0,05 % |
| copper (Cu)..... | max. 0,01 ppm | substances reducing KMnO ₄ | passes test |
| iron (Fe)..... | max. 0,01 ppm | residue on evaporation..... | max. 0,0005 % |
| lead (Pb)..... | max. 0,01 ppm | water (K.F.)..... | max. 0,1 % |

Physical data

- Density: 0,79 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: -95 °C
- Boiling point: 56 °C
- Flash point: < -20 °C
- Ignition temperature: 540 °C
- Vapour pressure: (20 °C) 233 hPa
- Refraction index: (n 20 °C/D) 1,3588
- Viscosity: (25 °C) 0,31 mPas
- Dipolar moment: (20 °C) 2,7 Debye
- Dielectric const.: (25 °C) 20,7
- Evap. heat: (56 °C) 521 KJ/kg
- Saturation conc.: (20 °C) 533 g/m³
- Expl. limit (upper): 13 Vol%
- Expl. limit (lower): 2,6 Vol%
- pH(395 g/l H₂O, 20 °C) 5 - 6

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H225: Highly flammable liquid and vapour.
 H319: Causes serious eye irritation.
 H336: May cause drowsiness or dizziness.
 EUH066: Repeated exposure may cause skin dryness or cracking.


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.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P405: Store locked up.
 P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Toxicological data

- LD 50 (oral, rat): 5800 mg/kg
- MAK: 500 ml/m³, 1200 mg/m³
- WGK: 1
- Poison class CH (Swiss): 5



AC0320

Acetone, VLSI grade

Technical Data Sheet

Transport/storage

- ADR: 3 F1 II • UN 1090 • ACETONE
- IMDG: 3 II • UN 1090 • ACETONE
- IATA/ICAO: 3 II • UN 1090 • ACETONE
- PAX: 305
- CAO: 307
- Store between 15°C and 25°C