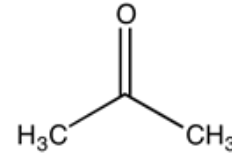


Identification

C₃H₆O
 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. 99,8 %	magnesium (Mg).....	max. 0,1 ppm
identity (IR-spectrum).....	passes test	manganese (Mn).....	max. 0,01 ppm
density (20°/4°).....	0,787 - 0,791	molybdenum (Mo).....	max. 0,02 ppm
appearance of solution.....	passes test	nickel (Ni).....	max. 0,01 ppm
colour (Hazen).....	max. 10	silver (Ag).....	max. 0,02 ppm
solubility in water.....	passes test	thallium (Tl).....	max. 0,02 ppm
insoluble in water.....	passes test	tin (Sn).....	max. 0,1 ppm
acidity.....	max. 0,0002 meq/g	titanium (Ti).....	max. 0,02 ppm
alkalinity.....	max. 0,0002 meq/g	vanadium (V).....	max. 0,02 ppm
chlorides (Cl).....	max. 0,00001 %	zinc (Zn).....	max. 0,01 ppm
nitrates (NO ₃).....	max. 0,00001 %	zirconium (Zr).....	max. 0,02 ppm
phosphates (as PO ₄).....	max. 0,00001 %	aldehydes (as HCHO).....	max. 0,002 %
sulfates (SO ₄).....	max. 0,00001 %	cyclohexane (G.C.).....	max. 0,1 %
aluminium (Al).....	max. 0,1 ppm	alcohol diacetone (G.C.).....	max. 0,02 %
antimony (Sb).....	max. 0,02 ppm	ethanol (G.C.).....	max. 0,01 %
arsenic (As).....	max. 0,02 ppm	methanol (G.C.).....	max. 0,05 %
barium (Ba).....	max. 0,01 ppm	2-propanol (G.C.).....	max. 0,05 %
beryllium (Be).....	max. 0,02 ppm	reducing substances.....	passes test
bismuth (Bi).....	max. 0,02 ppm	residue on evaporation.....	max. 0,0002 %
boron (B).....	max. 0,02 ppm	water (K.F.).....	max. 0,2 %
cadmium (Cd).....	max. 0,01 ppm		
calcium (Ca).....	max. 0,3 ppm	liquid chromatography suitability	
chromium (Cr).....	max. 0,02 ppm	absorbance.....	passes test
cobalt (Co).....	max. 0,02 ppm		
copper (Cu).....	max. 0,01 ppm	min. transmission/max. absorbance in a 1,0 cm cell at	
gallium (Ga).....	max. 0,02 ppm	wavelength:.....	T(%) A (AU)
germanium (Ge).....	max. 0,02 ppm	330 nm.....	10 % 1,000 AU
gold (Au).....	max. 0,02 ppm	335 nm.....	50 % 0,301 AU
indium (In).....	max. 0,02 ppm	339 nm.....	80 % 0,097 AU
iron (Fe).....	max. 0,02 ppm	342 nm.....	90 % 0,046 AU
lead (Pb).....	max. 0,01 ppm	350 nm.....	98 % 0,009 AU
lithium (Li).....	max. 0,05 ppm		

Microfiltered through membranes of pore diameter 0,22 µm

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.

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.

P370+P378: In case of fire: Use ... for extinction.

P405: Store locked up.

P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

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
- 10°C - 30°C