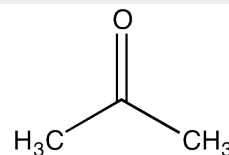


Identification

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. 99,8 %	gallium (Ga).....	max. 0,02 ppm
identity (IR-spectrum).....	passes test	germanium (Ge).....	max. 0,02 ppm
density (20°/20°).....	0,790 - 0,793	gold (Au).....	max. 0,02 ppm
appearance of solution.....	clear and colourless	indium (In).....	max. 0,02 ppm
colour (Hazen).....	max. 10	iron (Fe).....	max. 0,1 ppm
solubility in water.....	passes test	lead (Pb).....	max. 0,1 ppm
insoluble in water.....	passes test	lithium (Li).....	max. 0,05 ppm
acidity.....	max. 0,0002 meq/g	magnesium (Mg).....	max. 0,1 ppm
alkalinity.....	max. 0,0002 meq/g	manganese (Mn).....	max. 0,02 ppm
acidity or alkalinity.....	passes test	molybdenum (Mo).....	max. 0,02 ppm
chlorides (Cl).....	max. 0,1 ppm	nickel (Ni).....	max. 0,02 ppm
nitrites (NO ₂).....	max. 0,1 ppm	silver (Ag).....	max. 0,02 ppm
phosphates (as PO ₄).....	max. 0,1 ppm	thallium (Tl).....	max. 0,02 ppm
sulfates (SO ₄).....	max. 0,1 ppm	tin (Sn).....	max. 0,1 ppm
aluminium (Al).....	max. 0,5 ppm	titanium (Ti).....	max. 0,02 ppm
antimony (Sb).....	max. 0,02 ppm	vanadium (V).....	max. 0,02 ppm
arsenic (As).....	max. 0,02 ppm	zinc (Zn).....	max. 0,1 ppm
barium (Ba).....	max. 0,1 ppm	zirconium (Zr).....	max. 0,02 ppm
beryllium (Be).....	max. 0,02 ppm	aldehydes (as HCHO).....	max. 0,001 %
bismuth (Bi).....	max. 0,02 ppm	Related substances: passes test	
boron (B).....	max. 0,02 ppm	alcohol: acetone (G.C.).....	max. 0,02 %
cadmium (Cd).....	max. 0,05 ppm	ethanol (G.C.).....	max. 0,01 %
calcium (Ca).....	max. 0,5 ppm	reducing substances.....	passes test
chromium (Cr).....	max. 0,02 ppm	substances reducing KMnO ₄	max. 3 ppm
cobalt (Co).....	max. 0,02 ppm	residue on evaporation.....	max. 5 ppm
copper (Cu).....	max. 0,02 ppm	water (K.F.).....	max. 0,2 %

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