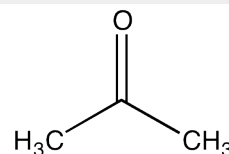


Identification

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 %	molybdenum (Mo).....	max. 0,000002 %
identity (IR-spectrum).....	passes test	nickel (Ni).....	max. 0,000001 %
density (20°/4°).....	0,787 - 0,791	silver (Ag).....	max. 0,000002 %
appearance of solution.....	passes test	thallium (Tl).....	max. 0,000002 %
colour (Hazen).....	max. 10	tin (Sn).....	max. 0,00001 %
solubility in water.....	passes test	titanium (Ti).....	max. 0,000002 %
insoluble in water.....	passes test	vanadium (V).....	max. 0,000002 %
acidity.....	max. 0,0002 meq/g	zinc (Zn).....	max. 0,000001 %
alkalinity.....	max. 0,0002 meq/g	zirconium (Zr).....	max. 0,000002 %
chlorides (Cl).....	max. 0,00001 %	aldehydes (as HCHO).....	max. 0,002 %
nitrates (NO ₃).....	max. 0,00001 %	cyclohexane (G.C.).....	max. 0,1 %
phosphates (as PO ₄).....	max. 0,00001 %	alcohol/diacetone (G.C.).....	max. 0,02 %
sulfates (SO ₄).....	max. 0,00001 %	ethanol (G.C.).....	max. 0,01 %
aluminium (Al).....	max. 0,00001 %	methanol (G.C.).....	max. 0,05 %
antimony (Sb).....	max. 0,000002 %	2-propanol (G.C.).....	max. 0,05 %
arsenic (As).....	max. 0,000002 %	reducing substances.....	passes test
barium (Ba).....	max. 0,000001 %	residue on evaporation.....	max. 0,0002 %
beryllium (Be).....	max. 0,000002 %	water (K.F.).....	max. 0,2 %
bismuth (Bi).....	max. 0,000002 %	liquid chromatography suitability	
boron (B).....	max. 0,000002 %	absorbance.....	passes test
cadmium (Cd).....	max. 0,000001 %	min. transmission/max. absorbance	
calcium (Ca).....	max. 0,00003 %	in a 1,0 cm cell at	
chromium (Cr).....	max. 0,000002 %	wavelength:	T(%) A (AU)
cobalt (Co).....	max. 0,000002 %	330 nm.....	10 % 1,000 AU
copper (Cu).....	max. 0,000001 %	335 nm.....	50 % 0,301 AU
gallium (Ga).....	max. 0,000002 %	339 nm.....	80 % 0,097 AU
germanium (Ge).....	max. 0,000002 %	342 nm.....	90 % 0,046 AU
gold (Au).....	max. 0,000002 %	350 nm.....	98 % 0,009 AU
indium (In).....	max. 0,000002 %	Microfiltered through membranes	
iron (Fe).....	max. 0,000002 %	of pore diameter 0,22 µm	
lead (Pb).....	max. 0,000001 %		
lithium (Li).....	max. 0,000005 %		
magnesium (Mg).....	max. 0,00001 %		
manganese (Mn).....	max. 0,000001 %		

Packaging
Packaging Code

- 1 l  AC03101000
- 2,5 l  AC03102500
- 4 l  AC03104000
- 7 l  AC0310007E
- 25 l  AC0310025S
- 30 l  AC0310030S

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

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