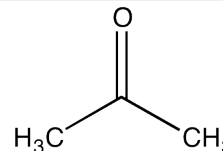


**Identification**

$C_3H_6O$   
 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 %	gold (Au).....	max. 0,000002 %
identity (IR-spectrum).....	passes test	indium (In).....	max. 0,000002 %
density (20°/4°).....	0,787 - 0,791	iron (Fe).....	max. 0,00001 %
appearance of solution.....	passes test	lead (Pb).....	max. 0,00001 %
colour (Hazen).....	max. 10	lithium (Li).....	max. 0,000005 %
solubility in water.....	passes test	magnesium (Mg).....	max. 0,00001 %
insoluble in water.....	passes test	manganese (Mn).....	max. 0,000002 %
acidity.....	max. 0,0002 meq/g	molybdenum (Mo).....	max. 0,000002 %
alkalinity.....	max. 0,0002 meq/g	nickel (Ni).....	max. 0,000002 %
chlorides (Cl).....	max. 0,00001 %	silver (Ag).....	max. 0,000002 %
nitrates (NO <sub>3</sub> ).....	max. 0,00001 %	thallium (Tl).....	max. 0,000002 %
phosphates (as PO <sub>4</sub> ).....	max. 0,00001 %	tin (Sn).....	max. 0,00001 %
sulfates (SO <sub>4</sub> ).....	max. 0,00001 %	titanium (Ti).....	max. 0,000002 %
aluminium (Al).....	max. 0,00005 %	vanadium (V).....	max. 0,000002 %
antimony (Sb).....	max. 0,000002 %	zinc (Zn).....	max. 0,00001 %
arsenic (As).....	max. 0,000002 %	zirconium (Zr).....	max. 0,000002 %
barium (Ba).....	max. 0,00001 %	aldehydes (as HCHO).....	max. 0,001 %
beryllium (Be).....	max. 0,000002 %	related substances.....	passes test
bismuth (Bi).....	max. 0,000002 %	benzene (G.C.).....	max. 0,0002 %
boron (B).....	max. 0,000002 %	cyclohexane (G.C.).....	max. 0,1 %
cadmium (Cd).....	max. 0,000005 %	alcohol diacetone (G.C.).....	max. 0,02 %
calcium (Ca).....	max. 0,00005 %	ethanol (G.C.).....	max. 0,01 %
chromium (Cr).....	max. 0,000002 %	methanol (G.C.).....	max. 0,05 %
cobalt (Co).....	max. 0,000002 %	2-propanol (G.C.).....	max. 0,05 %
copper (Cu).....	max. 0,000002 %	substances reducing KMnO <sub>4</sub> .....	passes test
gallium (Ga).....	max. 0,000002 %	residue on evaporation.....	max. 0,0005 %
germanium (Ge).....	max. 0,000002 %	water (K.F.).....	max. 0,2 %

**Packaging**
**Packaging Code**

- 1 |  AC03141000
- 2,5 |  AC03142500
- 7 |  AC0314005P
- 25 |  AC0314007E
- 25 |  AC0314025A
- 25 |  AC0314200L
- 200 | 
- 

## Physical data

- Density: 0,79 g/cm<sup>3</sup>
- 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/m<sup>3</sup>
- Expl. limit (upper): 13 Vol%
- Expl. limit (lower): 2,6 Vol%
- pH(395 g/l H<sub>2</sub>O, 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/m<sup>3</sup>, 1200 mg/m<sup>3</sup>
- 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