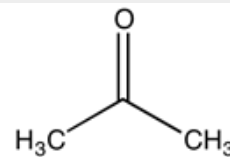


**Identification**

C<sub>3</sub>H<sub>6</sub>O  
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, in pharma industry.

**Specifications**

assay (G.C.).....	min. 99,0 %	insoluble in water.....	passes test
Identification IR.....	passes test	Related substances:	
Identification B (EP).....	passes test	methanol .....	max. 0,05% V/V
Identification B (USP).....	passes test	2-propanol.....	max. 0,05% V/V
Identification C (EP).....	passes test	benzene .....	max. 2 ppm V/V
density (20°/20°).....	0,790 - 0,793	any other impurities.....	max. 0,05% V/V
density (25°/25°).....	max. 0,789	reducing substances.....	passes test
appearance of solution.....	clear and colourless	residue on evaporation.....	max. 0,004 %
acidity or alkalinity.....	passes test	water (K.F.).....	max. 0,3 %
		water (chromatography).....	max. 0,5 %

**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.  
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