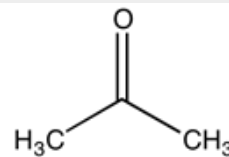


**Identification**

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.

**Specifications**

assay (G.C.).....	min. 99,5 %	magnesium (Mg).....	max. 0,1 ppm
identity (IR-spectrum).....	passes test	manganese (Mn).....	max. 0,01 ppm
density (20°/4°).....	0,787 - 0,791	nickel (Ni).....	max. 0,01 ppm
resistivity.....	min. 5 MΩ·cm	zinc (Zn).....	max. 0,01 ppm
acidity.....	max. 0,0003 meq/g	aldehydes (as HCHO).....	max. 0,0002 %
alkalinity.....	max. 0,0006 meq/g	ethanol (G.C.).....	max. 0,01 %
chlorides (Cl).....	max. 0,0001 %	methanol (G.C.).....	max. 0,05 %
sulfates (SO <sub>4</sub> ).....	max. 0,0001 %	2-propanol (G.C.).....	max. 0,05 %
copper (Cu).....	max. 0,01 ppm	substances reducing KMnO <sub>4</sub> .....	passes test
iron (Fe).....	max. 0,01 ppm	residue on evaporation.....	max. 0,0005 %
lead (Pb).....	max. 0,01 ppm	water (K.F.).....	max. 0,1 %

**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.



**AC0320**

**Acetone, VLSI grade**

**Technical Data Sheet**

### **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
- 15°C - 25°C