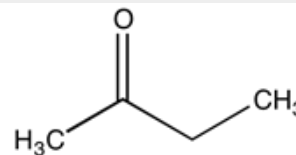


**Identification**

C<sub>4</sub>H<sub>8</sub>O  
M = 72,11 g/mol  
CAS [78-93-3]  
EC number: 201-159-0  
Taric code: 2914 12 00

**Synonyms**

2-Butanone, Methyl ethyl ketone, MEK

**Applications**

analytical chemistry, chromatography, synthesis of organic products, in food industry.

**Specifications**

assay (G.C.).....	min. 99 %	density (20°/4°).....	0,804 - 0,806
identity (IR-spectrum).....	passes test	free acid (as CH <sub>3</sub> COOH).....	max. 0,005 %
		water (K.F.).....	max. 0,2 %

**Physical data**

- Density: 0,80 g/cm<sup>3</sup>
- Solub. in water: (20 °C): 292 g/l
- Melting point: -86 °C
- Boiling point: 79,6 °C
- Flash point: -4 °C
- Ignition temperature: 505 °C
- Vapour pressure: (20 °C) 105 hPa
- Viscosity: (15 °C) 0,42 mPas
- Dipolar moment: (20 °C) 2,7 Debye
- Dielectric const.: (20 °C) 18,5
- Saturation conc.: (20 °C) 310 g/m<sup>3</sup>
- Expl. limit (upper): 11,5 Vol%
- Expl. limit (lower): 1,8 Vol%
- pH(300 g/l H<sub>2</sub>O, 20 °C) ~ 5,5

**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 1193 • ETHYL METHYL KETONE (METHYL ETHYL KETONE)
- IMDG: 3 II • UN 1193 • ETHYL METHYL KETONE
- IATA/ICAO: 3 II • UN 1193 • ETHYL METHYL KETONE
- PAX: 305
- CAO: 307
- 10°C - 30°C