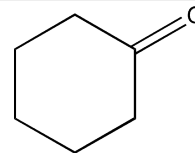


**Identification**

$C_6H_{10}O$   
 M = 98,15 g/mol  
 CAS [108-94-1]  
 EC number: 203-631-1  
 Taric code: 2914 22 00


**Synonyms**

Pimelic ketone




**Applications**

analytical chemistry, synthesis of organic products, solvents, manufacturing of synthetic resins.

**Specifications**

assay (G.C.).....	min. 99,5 %	residue on ignition (as SO <sub>4</sub> ).....	max. 0,001 %
identity (IR-spectrum).....	passes test	water (K.F.).....	max. 0,1 %
density (20°/4°).....	0,945 - 0,948		

**Packaging**
**Packaging Code**

1 l  CI00501000  
 2,5 l  CI00502500  
 5 l  CI0050005P

**Physical data**

- Density: 0,95 g/cm<sup>3</sup>
- Solub. in water: (20 °C): ~ 80 g/l
- Melting point: -31 °C
- Boiling point: ~ 156 °C
- Flash point: 43 °C
- Ignition temperature: 430 °C
- Vapour pressure: (20 °C) 4,0 hPa
- Dipolar moment: (20 °C) 2,9 Debye
- Dielectric const.: (25 °C) 18,3
- Saturation conc.: (20 °C) 19 g/m<sup>3</sup>
- Expl. limit (upper): 9,4 Vol%
- Expl. limit (lower): 1,3 Vol%
- pH(50 g/l H<sub>2</sub>O) ~ 5

**Safety - GHS**

**Signal Word:** Warning

**Hazard Statements:**

H226: Flammable liquid and vapour.  
 H332: Harmful if inhaled.


**Precautionary Statements:**

P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.  
 P241: Use explosion-proof electrical / ventilating / lighting / equipment.  
 P261: Avoid breathing dust / fume / gas / mist / vapours / spray.  
 P280: Wear protective gloves / protective clothing / eye protection / face protection.  
 P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.  
 P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Toxicological data**

- LD 50 (oral, rat): 1300 - 1840 mg/kg
- WGK: 1
- Poison class CH (Swiss): 4

**Transport/storage**

- ADR: 3 F1 III • UN 1915 • CYCLOHEXANONE
- IMDG: 3 III • UN 1915 • CYCLOHEXANONE
- IATA/ICAO: 3 III • UN 1915 • CYCLOHEXANONE
- PAX: 309
- CAO: 310
- Store between 15°C and 25°C