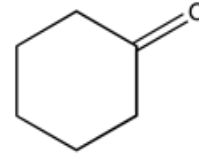


Identification

C₆H₁₀O
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 %	density (20°/4°).....	0,945 - 0,948
identity (IR-spectrum).....	passes test	residue on ignition (as SO ₄).....	max. 0,001 %
		water (K.F.).....	max. 0,1 %

Physical data

- Density: 0,95 g/cm³
- 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/m³
- Expl. limit (upper): 9,4 Vol%
- Expl. limit (lower): 1,3 Vol%
- pH(50 g/l H₂O) ~ 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.
P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
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 III • UN 1915 • CYCLOHEXANONE
- IMDG: 3 III • UN 1915 • CYCLOHEXANONE
- IATA/ICAO: 3 III • UN 1915 • CYCLOHEXANONE
- PAX: 309
- CAO: 310
- 10°C - 30°C