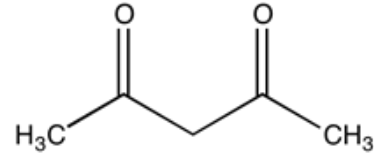


Identification

C₅H₈O₂
M = 100,12 g/mol
CAS [123-54-6]
EC number: 204-634-0
Taric code: 2914 19 90

**Synonyms**

2,4-Pentanedione, ACAC

Applications

synthesis of organic products, as gasoline additive, in lubricant compositions, insecticide.

Specifications

assay (G.C.).....	min. 99 %	density (20°/4°).....	0,972 - 0,974
identity (IR-spectrum).....	passes test	residue on evaporation.....	max. 0,005 %
		water (K.F.).....	max. 0,1 %

Physical data

- Density: 0,97 g/cm³
- Solub. in water: (20 °C): 200 g/l
- Melting point: -23 °C
- Boiling point: 140 °C
- Flash point: 34 °C
- Ignition temperature: 335 °C
- Vapour pressure: (20 °C) 9 hPa
- Refraction index: (n 20 °C) 1,4510
- Dielectric const.: (20 °C) 25,7
- Evap. heat: (139 °C) 750 KJ/kg
- Saturation conc.: (20 °C) 38 g/m³
- Expl. limit (upper): 11,6 Vol%
- Expl. limit (lower): 2,4 Vol%
- pH(200 g/l H₂O, 20 °C) ~ 6

Safety - GHS

Signal Word: Warning

Hazard Statements:

H226: Flammable liquid and vapour.
H302: Harmful if swallowed.

**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.
P403+P235: Store in a well-ventilated place. Keep cool.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 3 FT1 III • UN 2310 • PENTANE-2,4-DIONE
- IMDG: 3 III • UN 2310 • PENTANE-2,4-DIONE
- IATA/ICAO: 3 III • UN 2310 • PENTANE-2,4-DIONE
- PAX: 309
- CAO: 310
- 10°C - 30°C