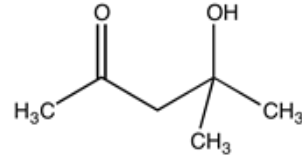


4-Hydroxy-4-methyl-2-pentanone, EssentQ®

Identification

C₆H₁₂O₂
M = 116,16 g/mol
CAS [123-42-2]
EC number: 204-626-7
Taric code: 2914 40 10

**Synonyms**

Diacetone alcohol, 2-Methyl-2-pentanol-4-one

Applications

solvents, for pharmaceuticals synthesizing, in antifreeze compositions.

Specifications

assay (G.C.).....	min. 98 %	density (20°/4°).....	0,938 - 0,940
identity (IR-spectrum).....	passes test	residue on evaporation.....	max. 0,005 %

Physical data

- Density: 0,94 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: -47 °C
- Boiling point: 166 °C
- Flash point: 58 °C
- Ignition temperature: 640 °C
- Vapour pressure: (20 °C) 2 hPa
- Refraction index: (n 20 °C/D) 1,4233
- Expl. limit (upper): 6,9 Vol%
- Expl. limit (lower): 1,8 Vol%

Safety - GHS

Signal Word: Warning

Hazard Statements:

H226: Flammable liquid and vapour.
H319: Causes serious eye irritation.

**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.
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 F1 III • UN 1148 • DIACETONE ALCOHOL
- IMDG: 3 III • UN 1148 • DIACETONE ALCOHOL
- IATA/ICAO: 3 III • UN 1148 • DIACETONE ALCOHOL
- PAX: 309
- CAO: 310
- 10°C - 30°C