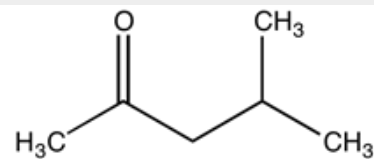


Methyl isobutyl ketone, EssentQ®

Identification

C₆H₁₂O
M = 100,16 g/mol
CAS [108-10-1]
EC number: 203-550-1
Taric code: 2914 13 00

**Synonyms**

Isobutyl methyl ketone, 4-Methyl-2-pentanone, Isopropylacetone, Hexone, MIBK

Applications

laboratory reagent, synthesis of organic products, solvents.

Specifications

assay (G.C.).....	min. 99 %	density (20°/4°).....	0,800 - 0,802
identity (IR-spectrum).....	passes test	residue on evaporation.....	max. 0,005 %
		water (K.F.).....	max. 0,1 %

Physical data

- Density: 0,80 g/cm³
- Solub. in water: (20 °C): ~ 18 - 20 g/l
- Melting point: -84 °C
- Boiling point: 116 - 118 °C
- Flash point: 14 °C
- Ignition temperature: 475 °C
- Vapour pressure: (20 °C) 20,2 hPa
- Dipolar moment: (20 °C) 13,11 Debye
- Dielectric const.: (20 °C) 13,1
- Evap. heat: (117 °C) 364 KJ/kg
- Saturation conc.: (20 °C) 82 g/m³
- Expl. limit (upper): 8,0 Vol%
- Expl. limit (lower): 1,2 Vol%
- pH(20 °C) ~ 7

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H225: Highly flammable liquid and vapour.
H332: Harmful if inhaled.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.
H351: Suspected of causing cancer.
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 1245 • METHYL ISOBUTYL KETONE
- IMDG: 3 II • UN 1245 • METHYL ISOBUTYL KETONE
- IATA/ICAO: 3 II • UN 1245 • METHYL ISOBUTYL KETONE
- PAX: 305
- CAO: 307
- 10°C - 30°C