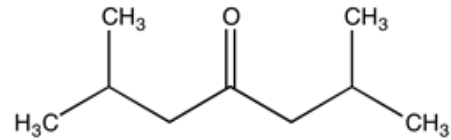


## Diisobutyl ketone, EssentQ®

**Identification**

C<sub>9</sub>H<sub>18</sub>O  
M = 142,24 g/mol  
CAS [108-83-8]  
EC number: 203-620-1  
Taric code: 2914 19 90

**Synonyms**

2,6-Dimethyl-4-heptanone, Isobutyl ketone

**Applications**

analytical chemistry, synthesis of organic products.

**Specifications**

Sum of 2,6-Dimethyl-4-heptanone and 2,4-Dimethyl-6-heptanone (GC, area%)..... min. 96,0 % (a/a)

identity (IR-spectrum).....passes test  
density (20°/4°).....0,807 - 0,811

**Physical data**

- Density: 0,81 g/cm<sup>3</sup>
- Solub. in water: (20 °C): 0,5 g/l
- Melting point: -46 °C
- Boiling point: 168 °C
- Flash point: 49 °C
- Ignition temperature: 345 °C
- Vapour pressure: (20 °C) 2,6 hPa
- Refraction index: (n 20 °C/D) 1,4143
- Viscosity: (20 °C) 1,05 mPas
- Saturation conc.: (20 °C) 9 g/m<sup>3</sup>
- Expl. limit (upper): 6,2 Vol%
- Expl. limit (lower): 0,8 Vol%

**Safety - GHS**

Signal Word: Warning

**Hazard Statements:**

H226: Flammable liquid and vapour.  
H335: May cause respiratory irritation.

**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 1157 • DIISOBUTYL KETONE
- IMDG: 3 III • UN 1157 • DIISOBUTYL KETONE
- IATA/ICAO: 3 III • UN 1157 • DIISOBUTYL KETONE
- PAX: 309
- CAO: 310
- 10°C - 30°C