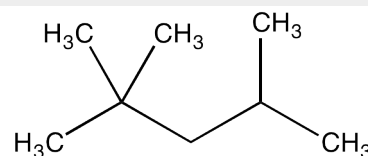


**Identification**

$C_8H_{18}$   
 M = 114,26 g/mol  
 CAS [540-84-1]  
 EC number: 208-759-1  
 Taric code: 2901 10 00


**Synonyms**

Isooctane, Isobutyltrimethylmethane, iso-Octane





**Applications**

analytical chemistry, solvent for fat and oil extractions; in determining octane numbers of fuels.

**Specifications**

assay (G.C.).....	min. 99 %	lead (Pb).....	max. 0,00002 %
identity (IR-spectrum).....	passes test	nickel (Ni).....	max. 0,00002 %
density (20°/4°).....	0,691 - 0,693	sulfur compounds (as S).....	max. 0,002 %
acidity.....	max. 0,001 meq/g	residue on evaporation.....	max. 0,001 %
copper (Cu).....	max. 0,00002 %	water (K.F.).....	max. 0,02 %
iron (Fe).....	max. 0,00005 %		

**Packaging**
**Packaging Code**

- 1 l  IS01531000
- 2,5 l  IS01532500
- 5 l  IS0153005P
- 25 l  IS0153025A

**Physical data**

- Density: 0,69 g/cm<sup>3</sup>
- Solub. in water: (25 °C): 0,56 mg/l
- Melting point: -107 °C
- Boiling point: 99 °C
- Flash point: -12 °C
- Ignition temperature: 410 °C
- Vapour pressure: (20 °C) 51 hPa
- Viscosity: (22 °C) 0,51 mPas
- Dielectric const.: (20 °C) 1,9
- Evap. heat: (99 °C) 334 KJ/kg
- Saturation conc.: (20 °C) 239 g/m<sup>3</sup>
- Expl. limit (upper): 6 Vol%
- Expl. limit (lower): 1 Vol%
- pH~ 7

**Safety - GHS**

**Signal Word:** Danger

**Hazard Statements:**

- H225: Highly flammable liquid and vapour.
- H304: May be fatal if swallowed and enters airways.
- H400: Very toxic to aquatic life.
- H410: Very toxic to aquatic life with long lasting effects.
- H315: Causes skin irritation.
- H336: May cause drowsiness or dizziness.


**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.
- P321: Specific treatment (see on this label).
- P405: Store locked up.
- P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Toxicological data**

- LD 50 (oral, rat): > 2000 mg/kg
- MAK: 500 ml/m<sup>3</sup>, 2400 mg/m<sup>3</sup>
- WGK: 1
- Poison class CH (Swiss): 5

**Transport/storage**

- ADR: 3 F1 II • UN 1262 • OCTANES
- IMDG: 3 II • UN 1262 • OCTANES
- IATA/ICAO: 3 II • UN 1262 • OCTANES
- PAX: 305
- CAO: 307
- Store between 15°C and 25°C