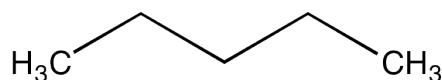


**Identification**

$C_5H_{12}$   
 M = 72,15 g/mol  
 CAS [109-66-0]  
 EC number: 203-692-4  
 Taric code: 2901 10 00


**Synonyms**

1,3-Dimethylpropane, Diethyl methane

**Applications**

synthesis of organic products, analytical chemistry, reference material, chromatography.



**Specifications**

assay (G.C.).....	min. 99,5 %	Suitable for highly volatile halogenated hydrocarbons trace analysis.
identity (IR-spectrum).....	passes test	ECD, from dichloromethane to 1,2,4-trichlorobenzene, no peaks are obtained greater than 1 ng/ml as tetrachloromethane.
density (20°/4°).....	0,625 - 0,627	
residue on evaporation.....	max. 0,0001 %	
water (K.F.).....	max. 0,01 %	

Suitable for organohalogenated pesticide and dioxins, furans and PCBs residue analysis.  
 ECD, from 1,2,4-trichlorobenzene to decachlorobiphenyl, no peaks are obtained greater than 2 pg/ml as lindane. No peaks are obtained in vicinity of 2,4,5-trichlorobiphenyl.

Suitable for pesticide and polycyclic aromatic hydrocarbons residue analysis. FID, from 1-octanol to 1-tetradecanol, no peaks are obtained greater than 2 ng/ml as 1-tetradecanol. No peaks are obtained in vicinity of pyrene.

**Packaging**
**Packaging Code**

1 l  PE01001000  
 2,5 l  PE01002500

**Physical data**

- Density: 0,63 g/cm<sup>3</sup>
- Solub. in water: (25 °C): 0,04 g/l
- Melting point: -129,7 °C
- Boiling point: 36,1 °C
- Flash point: -48 °C
- Ignition temperature: 285 °C
- Vapour pressure: (20 °C) 573 hPa
- Dielectric const.: (20 °C) 1,8
- Evap. heat: (36 °C) 383 KJ/kg
- Saturation conc.: (20 °C) 1689 g/m<sup>3</sup>
- Expl. limit (upper): 8 Vol%
- Expl. limit (lower): 1,4 Vol%

**Safety - GHS**

**Signal Word:** Danger

**Hazard Statements:**

- H225: Highly flammable liquid and vapour.  
 H304: May be fatal if swallowed and enters airways.  
 H336: May cause drowsiness or dizziness.  
 H411: Toxic to aquatic life with long lasting effects.  
 EUH066: Repeated exposure may cause skin dryness or cracking.


**Precautionary Statements:**

- P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.  
 P241: Use explosion-proof electrical / ventilating / lighting / equipment.  
 P261: Avoid breathing dust / fume / gas / mist / vapours / spray.  
 P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.  
 P405: Store locked up.  
 P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Toxicological data**

- MAK: 1000 ml/m<sup>3</sup> , 3000 mg/m<sup>3</sup>
- WGK: 1
- Poison class CH (Swiss): 5

**Transport/storage**

- ADR: 3 F1 II • UN 1265 • PENTANES, liquid
- IMDG: 3 II • UN 1265 • PENTANES
- IATA/ICAO: 3 II • UN 1265 • PENTANES
- PAX: 305
- CAO: 307
- Store between 15°C and 25°C