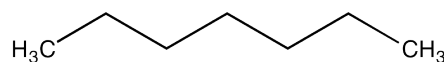


**Identification**

$C_7H_{16}$   
 M = 100,21 g/mol  
 CAS [142-82-5]  
 EC number: 205-563-8  
 Taric code: 2901 10 00


**Synonyms**

n-Dipropylmethane, n-Heptylhydride







**Applications**

analytical chemistry, as gasoline additive.

**Specifications**

assay (G.C.).....	min. 99,2 %	iron (Fe).....	max. 0,00001 %
identity (IR-spectrum).....	passes test	lead (Pb).....	max. 0,00001 %
density (20°/20°).....	0,683 - 0,686	magnesium (Mg).....	max. 0,00001 %
boiling range (min. 95 %).....	97 - 98 °C	manganese (Mn).....	max. 0,000002 %
colour (Hazen).....	max. 10	nickel (Ni).....	max. 0,000002 %
refractive index n <sub>20</sub> /D.....	1,387 - 1,388	tin (Sn).....	max. 0,00001 %
free acid (as CH <sub>3</sub> COOH).....	max. 0,0005 %	zinc (Zn).....	max. 0,00001 %
aluminium (Al).....	max. 0,00001 %	aromatic hydrocarbons (as C <sub>6</sub> H <sub>6</sub> ).....	max. 0,1 %
barium (Ba).....	max. 0,00001 %	sulfur compounds (as S).....	max. 0,005 %
boron (B).....	max. 0,000002 %	substances darkened by H <sub>2</sub> SO <sub>4</sub> .....	passes test
cadmium (Cd).....	max. 0,000005 %	residue on evaporation.....	max. 0,0005 %
calcium (Ca).....	max. 0,00005 %	water (K.F.).....	max. 0,01 %
chromium (Cr).....	max. 0,000002 %		
cobalt (Co).....	max. 0,000002 %		
copper (Cu).....	max. 0,000002 %		

**Packaging**
**Packaging Code**

1 l  HE01271000  
 2,5 l  HE01272500  
 7 l  HE0127007E  
 25 l  HE0127025A  
 25 l  HE0127025S  
 200 l  HE0127200L

**Physical data**

- Density: 0,68 g/cm<sup>3</sup>
- Solub. in water: (20 °C): almost non-miscible
- Melting point: -90,6 °C
- Boiling point: 98,4 °C
- Flash point: -4 °C
- Ignition temperature: 215 °C
- Vapour pressure: (20 °C) 48 hPa
- Refraction index: (n 20 °C/D) 1,3876
- Viscosity: (20 °C) 0,4 mPas
- Dielectric const.: (20 °C) 1,9
- Saturation conc.: (20 °C) 196 g/m<sup>3</sup>
- Expl. limit (upper): 7 Vol%
- Expl. limit (lower): 1 Vol%

**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): > 15000 mg/kg
- MAK: 500 ml/m<sup>3</sup>, 2100 mg/m<sup>3</sup>
- WGK: 1
- Poison class CH (Swiss): 5

**Transport/storage**

- ADR: 3 F1 II • UN 1206 • HEPTANES
- IMDG: 3 II • UN 1206 • HEPTANES
- IATA/ICAO: 3 II • UN 1206 • HEPTANES
- PAX: 305
- CAO: 307
- Store between 15°C and 25°C