

**Identification**

C<sub>7</sub>H<sub>16</sub>  
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. 99,75 %  
identity (IR-spectrum)..... passes test

density (20°/4°)..... 0,683 - 0,685  
isooctane (G.C.)..... max. 0,1 %  
lead (Pb)..... max. 0,002 g/gal

**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.  
H315: Causes skin irritation.  
H336: May cause drowsiness or dizziness.  
H400: Very toxic to aquatic life.  
H410: Very toxic to aquatic life with long lasting effects.

**Precautionary Statements:**

- P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.  
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
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 II • UN 1206 • HEPTANES
- IMDG: 3 II • UN 1206 • HEPTANES
- IATA/ICAO: 3 II • UN 1206 • HEPTANES
- PAX: 353
- CAO: 364
- 10°C - 30°C