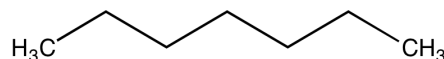


Identification

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. 99,3 %	min. transmission/max. absorbance	
identity (IR-spectrum).....	passes test	in a 1,0 cm cell at	
density (20°/4°).....	0,683 - 0,685	wavelength:	T(%) A (AU)
acidity.....	max. 0,0002 meq/g	200 nm.....	20 % 0,699 AU
alkalinity.....	max. 0,0002 meq/g	210 nm.....	50 % 0,301 AU
residue on evaporation.....	max. 0,0002 %	227 nm.....	90 % 0,046 AU
water (K.F.).....	max. 0,01 %		

Microfiltered through membranes
of pore diameter 0,22 µm

Physical data

- Density: 0,68 g/cm³
- 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/m³
- 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/m³, 2100 mg/m³
- 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: 353
- CAO: 364
- Store between 15°C and 25°C