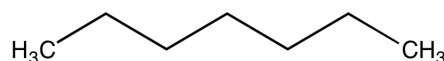


Identification

C₇H₁₆
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. 0,1 ppm
identity (IR-spectrum).....	passes test	lead (Pb).....	max. 0,1 ppm
density (20°/20°).....	0,683 - 0,686	magnesium (Mg).....	max. 0,1 ppm
boiling range (min. 95 %).....	97 - 98 °C	manganese (Mn).....	max. 0,02 ppm
colour (Hazen).....	max. 10	nickel (Ni).....	max. 0,02 ppm
refractive index n ₂₀ /D.....	1,387 - 1,388	tin (Sn).....	max. 0,1 ppm
free acid (as CH ₃ COOH).....	max. 0,0005 %	zinc (Zn).....	max. 0,1 ppm
aluminium (Al).....	max. 0,1 ppm	aromatic hydrocarbons (as C ₆ H ₆).....	max. 0,1 %
barium (Ba).....	max. 0,1 ppm	sulphur compounds (as S).....	max. 0,005 %
boron (B).....	max. 0,02 ppm	substances darkened by H ₂ SO ₄	passes test
cadmium (Cd).....	max. 0,05 ppm	residue on evaporation.....	max. 0,0005 %
calcium (Ca).....	max. 0,5 ppm	water (K.F.).....	max. 0,01 %
chromium (Cr).....	max. 0,02 ppm		
cobalt (Co).....	max. 0,02 ppm		
copper (Cu).....	max. 0,02 ppm		

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: (n₂₀ °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