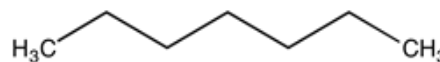


Identification

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

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.
 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