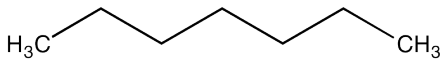
HE0123
n-Heptane, 95%, synthesis grade

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. 95 %	residue on evaporation.....	max. 0,003 %
density (20°/4°).....	0,683 - 0,685	water (K.F.).....	max. 0,02 %

Packaging

Packaging	Code
1 l	HE01231000
2,5 l	HE01232500
25 l	HE0123025L

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/m^3
- 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^3 , 2100 mg/m^3
- 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 15ºC and 25ºC