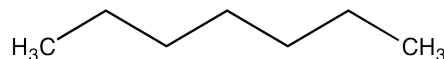


Identification

C_7H_{16}
 $M = 100,21 \text{ g/mol}$
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 %
identity (IR-spectrum).....passes test
density (20°/4°).....0,683 - 0,685
acidity.....max. 0,0002 meq/g
alkalinity.....max. 0,0002 meq/g
residue on evaporation.....max. 0,0002 %
water (K.F.).....max. 0,01 %

min. transmission/max. absorbance in a 1,0 cm cell at
wavelength:.....T(%) A (AU)
200 nm.....20 % 0,699 AU
210 nm.....50 % 0,301 AU
227 nm.....90 % 0,046 AU

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.
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