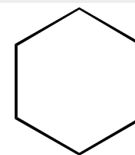


Identification

C_6H_{12}
 M = 84,16 g/mol
 CAS [110-82-7]
 EC number: 203-806-2
 Taric code: 2902 11 00




Synonyms

Hexahydrobenzene, Hexamethylene, Naphthene

| | |
|-------------------------------|--------------|
| assay (G.C.)..... | min. 99,8 % |
| colour (Hazen)..... | max. 10 |
| identity (IR-spectrum)..... | conforms |
| residue on evaporation..... | max. 3 ppm |
| Suitable for residue analysis | |
| water (K.F.) | max . 0,05 % |

GC/MSD (retention range n-undecane
 ton-tetracontane, scanning area
 30 - 600 amu, individual signals
 (n-tetradecane standard))..... max. 3,0 ng/ml (ppb)

Packaging
Packaging Code

1 l  CI00281000
 2,5 l  CI00282500

Physical data

- Density: 0,78 g/cm³
- Solub. in water: (20 °C): 55 mg/l
- Melting point: 6 °C
- Boiling point: 80,7 - 81 °C
- Flash point: -18 °C
- Ignition temperature: 260 °C
- Vapour pressure: (20 °C) 103 hPa
- Refraction index: (n 20 °C/D) 1,4264
- Viscosity: (kinetic, 20 °C) 1,26 mm²/s
- Dielectric const.: (20 °C) 2,0
- Evap. heat: (81 °C) 389 KJ/kg
- Saturation conc.: (20 °C) 357 g/m³
- Expl. limit (upper): 8,3 Vol%
- Expl. limit (lower): 1,2 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): 12705 mg/kg
- MAK: 200 ml/m³, 700 mg/m³
- WGK: 1
- Poison class CH (Swiss): 4

Transport/storage

- ADR: 3 F1 II • UN 1145 • CYCLOHEXANE
- IMDG: 3 II • UN 1145 • CYCLOHEXANE
- IATA/ICAO: 3 II • UN 1145 • CYCLOHEXANE
- PAX: 305
- CAO: 307
- Store between 15°C and 25°C