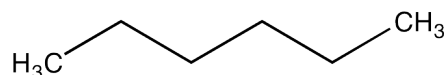


**Identification**

$C_6H_{14}$   
 M = 86,18 g/mol  
 CAS [110-54-3]  
 EC number: 203-777-6  
 Taric code: 2901 10 00





**Synonyms**

n-Caproylhydride, n-Hexylhydride

**Specifications**

|                             |                   |                                      |                 |
|-----------------------------|-------------------|--------------------------------------|-----------------|
| assay (G.C.).....           | min. 99 %         | iron (Fe).....                       | max. 0,00001 %  |
| identity (IR-spectrum)..... | passes test       | lead (Pb).....                       | max. 0,00001 %  |
| density (20°/4°).....       | 0,659 - 0,662     | magnesium (Mg).....                  | max. 0,00001 %  |
| appearance.....             | clear             | manganese (Mn).....                  | max. 0,000002 % |
| colour (Hazen).....         | max. 10           | nickel (Ni).....                     | max. 0,000002 % |
| acidity or alkalinity.....  | max. 0,0002 meq/g | tin (Sn).....                        | max. 0,00001 %  |
| aluminium (Al).....         | max. 0,00005 %    | zinc (Zn).....                       | max. 0,00001 %  |
| barium (Ba).....            | max. 0,00001 %    | aromatic hydrocarbons (as C6H6)..... | max. 0,01 %     |
| boron (B).....              | max. 0,000002 %   | sulfur compounds (as S).....         | max. 0,005 %    |
| cadmium (Cd).....           | max. 0,000005 %   | tiophene (C4H4S).....                | max. 0,0001 %   |
| calcium (Ca).....           | max. 0,00005 %    | substances darkened by H2SO4.....    | passes test     |
| chromium (Cr).....          | max. 0,000002 %   | residue on evaporation.....          | max. 0,0005 %   |
| cobalt (Co).....            | max. 0,000002 %   | water (K.F.).....                    | max. 0,005 %    |
| copper (Cu).....            | max. 0,000002 %   |                                      |                 |

**Packaging**
**Packaging Code**

1 l  HE02321000  
 2,5 l  HE02322500  
 25 l  HE0232025S

**Physical data**

- Density: 0,66 g/cm<sup>3</sup>
- Solub. in water: (20 °C): 0,0095 g/l
- Melting point: -94,3 °C
- Boiling point: 69 °C
- Flash point: -22 °C
- Ignition temperature: 240 °C
- Vapour pressure: (20 °C) 160 hPa
- Viscosity: (20 °C) 0,31 mPas
- Dielectric const.: (20 °C) 1,8
- Saturation conc.: (20 °C) 563 g/m<sup>3</sup>
- Expl. limit (upper): 8,1 Vol%
- Expl. limit (lower): 1,0 Vol%

**Safety - GHS**

**Signal Word:** Danger

**Hazard Statements:**

- H225: Highly flammable liquid and vapour.  
 H304: May be fatal if swallowed and enters airways.  
 H361f: Suspected of damaging fertility.  
 H373: May cause damage to organs through prolonged or repeated exposure.  
 H315: Causes skin irritation.  
 H336: May cause drowsiness or dizziness.  
 H411: Toxic to aquatic life with long lasting effects.


**Precautionary Statements:**

- P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.  
 P241: Use explosion-proof electrical / ventilating / lighting / equipment.  
 P260: Do not breathe dust / fume / gas / mist / vapours / spray.  
 P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.  
 P405: Store locked up.  
 P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Toxicological data**

- LD 50 (oral, rat): 28710 mg/kg
- MAK: 50 ml/m<sup>3</sup>, 180 mg/m<sup>3</sup>
- WGK: 1
- Poison class CH (Swiss): 4

**Transport/storage**

- ADR: 3 F1 II • UN 1208 • HEXANES
- IMDG: 3 II • UN 1208 • HEXANES
- IATA/ICAO: 3 II • UN 1208 • HEXANES
- PAX: 305
- CAO: 307