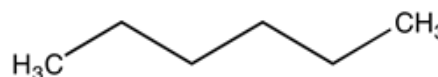


**Identification**

C<sub>6</sub>H<sub>14</sub>  
M = 86,18 g/mol  
CAS [110-54-3]  
EC number: 203-777-6  
Taric code: 2901 10 00


**Synonyms**

n-Caproylhydride, n-Hexylhydride

**Applications**

chromatography, analytical chemistry, determining refractive index of minerals.

**Specifications**

assay (G.C.)..... min. 96 %  
identity (IR-spectrum)..... passes test  
density (20°/4°)..... 0,659 - 0,662  
appearance..... clear  
colour (Hazen)..... max. 10  
acidity..... max. 0,0002 meq/g  
aluminium (Al)..... max. 0,1 ppm  
barium (Ba)..... max. 0,01 ppm  
boron (B)..... max. 0,02 ppm  
cadmium (Cd)..... max. 0,01 ppm  
calcium (Ca)..... max. 0,3 ppm  
chromium (Cr)..... max. 0,02 ppm  
cobalt (Co)..... max. 0,02 ppm  
copper (Cu)..... max. 0,02 ppm  
iron (Fe)..... max. 0,02 ppm  
lead (Pb)..... max. 0,1 ppm  
magnesium (Mg)..... max. 0,01 ppm  
manganese (Mn)..... max. 0,01 ppm  
nickel (Ni)..... max. 0,02 ppm

tin (Sn)..... max. 0,1 ppm  
zinc (Zn)..... max. 0,01 ppm  
aromatic hydrocarbons (as C<sub>6</sub>H<sub>6</sub>)..... max. 0,01 %  
sulphur compounds (as S)..... max. 0,005 %  
substances darkened by H<sub>2</sub>SO<sub>4</sub>..... passes test  
residue on evaporation..... max. 0,0002 %  
water (K.F.)..... max. 0,005 %

liquid chromatography suitability absorbance..... passes test

min. transmission/max. absorbance in a 1,0 cm cell at  
wavelength:..... T(%) A (AU)  
200 nm..... 10 % 1,000 AU  
210 nm..... 40 % 0,398 AU  
217 nm..... 70 % 0,155 AU  
225 nm..... 80 % 0,097 AU  
245 nm..... 98 % 0,009 AU

Microfiltered through membranes of pore diameter 0,22 µm

**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.  
H315: Causes skin irritation.  
H361f: Suspected of damaging fertility.  
H336: May cause drowsiness or dizziness.  
H373: May cause damage to organs through prolonged or repeated exposure.  
H304: May be fatal if swallowed and enters airways.  
H411: 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.



**HE0234**

**Technical Data Sheet**

**n-Hexane, 96%, Multisolvent<sup>®</sup> HPLC grade ACS UV-VIS**

### **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
- 10°C - 30°C