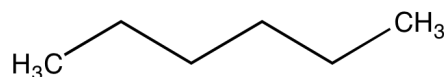


**Identification**

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


**Synonyms**

n-Caproylhydride, n-Hexylhydride

**Applications**

chromatography, analytical chemistry, determining refractive index of minerals.

**Specifications**

assay (G.C.).....	min. 96 %	aromatic hydrocarbons (as $C_6H_6$ ).....	max. 0,01 %
identity (IR-spectrum).....	passes test	sulphur compounds (as S).....	max. 0,005 %
density (20°/4°).....	0,659 - 0,662	substances darkened by $H_2SO_4$ .....	passes test
appearance.....	clear	residue on evaporation.....	max. 0,0002 %
colour (Hazen).....	max. 10	water (K.F.).....	max. 0,005 %
acidity.....	max.0,0002 meq/g		
aluminium (Al).....	max. 0,1 ppm	liquid chromatography suitability	
barium (Ba).....	max 0,01 ppm	absorbance.....	passes test
boron (B).....	max. 0,02 ppm		
cadmium (Cd).....	max 0,01 ppm	min. transmission/max. absorbance	
calcium (Ca).....	max. 0,3 ppm	in a 1,0 cm cell at	
chromium (Cr).....	max. 0,02 ppm	wavelength:	T(%) A (AU)
cobalt (Co).....	max. 0,02 ppm	200 nm.....	10 % 1,000 AU
copper (Cu).....	max. 0,02 ppm	210 nm.....	40 % 0,398 AU
iron (Fe).....	max. 0,02 ppm	217 nm.....	70 % 0,155 AU
lead (Pb).....	max. 0,1 ppm	225 nm.....	80 % 0,097 AU
magnesium (Mg).....	max 0,01 ppm	245 nm.....	98 % 0,009 AU
manganese (Mn).....	max 0,01 ppm		
nickel (Ni).....	max. 0,02 ppm	Microfiltered through membranes	
tin (Sn).....	max. 0,1 ppm	of pore diameter 0,22 $\mu$ m	
zinc (Zn).....	max 0,01 ppm		

**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
- Store between 15°C and 25°C