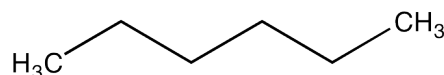


Identification

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 ₆ H ₆).....	max. 0,01 %
identity (IR-spectrum).....	passes test	sulfur compounds (as S).....	max. 0,005 %
density (20°/4°).....	0,659 - 0,662	substances darkened by H ₂ SO 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. 0,00001 %	liquid chromatography suitability	
barium (Ba).....	max. 0,000001 %	absorbance.....	passes test
boron (B).....	max. 0,000002 %		
cadmium (Cd).....	max. 0,000001 %	min. transmission/max. absorbance	
calcium (Ca).....	max. 0,00003 %	in a 1,0 cm cell at	
chromium (Cr).....	max. 0,000002 %	wavelength:	T(%) A (AU)
cobalt (Co).....	max. 0,000002 %	200 nm.....	10 % 1,000 AU
copper (Cu).....	max. 0,000002 %	210 nm.....	40 % 0,398 AU
iron (Fe).....	max. 0,000002 %	217 nm.....	70 % 0,155 AU
lead (Pb).....	max. 0,00001 %	225 nm.....	80 % 0,097 AU
magnesium (Mg).....	max. 0,000001 %	245 nm.....	98 % 0,009 AU
manganese (Mn).....	max. 0,000001 %		
nickel (Ni).....	max. 0,000002 %	Microfiltered through membranes	
tin (Sn).....	max. 0,00001 %	of pore diameter 0,22 µm	
zinc (Zn).....	max. 0,000001 %		

Packaging
Packaging Code

1 l  HE02341000
 2,5 l  HE02342500
 4 l  HE02344000
 7 l  HE0234007E
 20 l  HE0234020S
 25 l  HE0234025S
 30 l  HE0234030S
 185 l  HE0234185E

Physical data

- Density: 0,66 g/cm³
- 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/m³
- 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/m³, 180 mg/m³
- 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