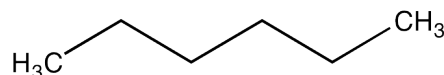


Identification

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 %
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_6H_6).....	max. 0,01 %
sulphur compounds (as S).....	max. 0,005 %
substances darkened by H_2SO_4	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/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.
 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.

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