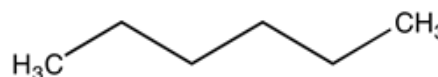


Identification

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. 96,0 %	copper (Cu).....	max. 0,02 ppm
total isomer content (G.C.)	min. 98,5 %	iron (Fe).....	max. 0,1 ppm
identity (IR-spectrum).....	passes test	lead (Pb).....	max. 0,1 ppm
density (20°/20°).....	0,659 - 0,663	magnesium (Mg).....	max. 0,1 ppm
colour (Hazen).....	max. 10	manganese (Mn).....	max. 0,02 ppm
refractive index n ₂₀ /D.....	1,375 - 1,376	nickel (Ni).....	max. 0,02 ppm
boiling range (min. 95 %).....	67 - 69 ° C	tin (Sn).....	max. 0,1 ppm
acidity.....	max. 0,0002 meq/g	zinc (Zn).....	max. 0,1 ppm
alkalinity.....	max. 0,0002 meq/g	aromatic hydrocarbons (as C ₆ H ₆).....	max. 0,01 %
aluminium (Al).....	max. 0,5 ppm	sulphur compounds (as S).....	max. 0,005 %
barium (Ba).....	max. 0,1 ppm	tiophene (C ₄ H ₄ S).....	passes test
boron (B).....	max. 0,02 ppm	substances darkened by H ₂ SO ₄	passes test
cadmium (Cd).....	max. 0,05 ppm	residue on evaporation.....	max. 0,001 %
calcium (Ca).....	max. 0,5 ppm	water (K.F.).....	max. 0,01 %
chromium (Cr).....	max. 0,02 ppm		
cobalt (Co).....	max. 0,02 ppm		
		min. transmission in a 1 cm cell between 260 and 420 nm	97 %

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