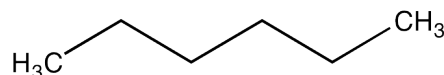


Identification

C₆H₁₄
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 %	copper (Cu).....	max. 0,02 ppm
identity (IR-spectrum).....	passes test	iron (Fe).....	max. 0,1 ppm
density (20°/20°).....	0,659 - 0,663	lead (Pb).....	max. 0,1 ppm
colour (Hazen).....	max. 10	magnesium (Mg).....	max. 0,1 ppm
acidity.....	max. 0,0002 meq/g	manganese (Mn).....	max. 0,02 ppm
alkalinity.....	max. 0,0002 meq/g	nickel (Ni).....	max. 0,02 ppm
aluminium (Al).....	max. 0,5 ppm	tin (Sn).....	max. 0,1 ppm
barium (Ba).....	max. 0,1 ppm	zinc (Zn).....	max. 0,1 ppm
boron (B).....	max. 0,02 ppm	aromatic hydrocarbons (as C ₆ H ₆).....	max. 0,01 %
cadmium (Cd).....	max. 0,05 ppm	sulphur compounds (as S).....	max. 0,005 %
calcium (Ca).....	max. 0,5 ppm	tiophene (C ₄ H ₄ S).....	passes test
chromium (Cr).....	max. 0,02 ppm	substances darkened by H ₂ SO ₄	passes test
cobalt (Co).....	max. 0,02 ppm	residue on evaporation.....	max. 0,0005 %
		water (K.F.).....	max. 0,002 %

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
- 15°C - 25°C