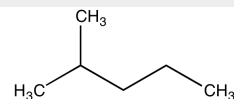


Identification

C_6H_{14}
 M = 86,18 g/mol
 CAS [73513-42-5]
 EC number: 295-570-2
 Taric code: 2901 10 00



(main isomer)

Applications

analytical chemistry, chromatography, solvent for fat and oil extractions.

Specifications

assay (G.C.).....	min. 97 %	n-hexane (G.C.).....	max. 3 %
identity (IR-spectrum).....	passes test	aromatic hydrocarbons (as C_6H_6).....	max. 0,01 %
appearance.....	clear	sulphur compounds (as S).....	max. 0,005 %
colour (Hazen).....	max. 10	tiophene (C_4H_4S).....	max. 0,0001 %
acidity.....	max. 0,0003 meq/g	substances darkened by H_2SO_4	passes test
aluminium (Al).....	max. 0,1 ppm	residue on evaporation.....	max. 0,0002 %
barium (Ba).....	max. 0,01 ppm	water (K.F.).....	max. 0,005 %
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.....	50 % 0,301 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. 0,1 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 μm	
zinc (Zn).....	max. 0,01 ppm		

Physical data

- Density: 0,65 g/cm³
- Solub. in water: (20 °C): 0,02 g/l
- Melting point: -153 °C
- Boiling point: 53 - 63 °C
- Flash point: -26 °C
- Ignition temperature: 260 °C
- Vapour pressure: (20 °C) 240 hPa
- Expl. limit (upper): 8,0 Vol%
- Expl. limit (lower): 0,8 Vol%

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H224: Extremely flammable liquid and vapour.
 H304: May be fatal if swallowed and enters airways.
 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.
 P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
 P321: Specific treatment (see on this label).
 P405: Store locked up.
 P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Toxicological data

- LD 50 (oral, rat): > 5000 mg/kg
- MAK: 50 ml/m³, 180 mg/m³
- WGK: 1

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