

Identification

C_6H_{14}
 M = 86,18 g/mol
 CAS [92112-69-1]
 EC number: 295-570-2
 Taric code: 2901 10 00

Applications

analytical chemistry, for spectroscopy, manufacture of dyes.

Specifications

boiling range.....	65 - 70 °C	aromatic hydrocarbons (as C_6H_6).....	max. 0,01 %
appearance.....	clear	sulphur compounds (as S).....	max. 0,005 %
colour (Hazen).....	max. 10	substances darkened by H_2SO_4	passes test
acidity.....	max. 0,0002 meq/g	residue on evaporation.....	max. 0,0002 %
aluminium (Al).....	max. 0,1 ppm	water (K.F.).....	max. 0,01 %
barium (Ba).....	max 0,01 ppm		
boron (B).....	max. 0,02 ppm	liquid chromatography suitability	
cadmium (Cd).....	max 0,01 ppm	absorbance.....	passes test
calcium (Ca).....	max. 0,3 ppm		
chromium (Cr).....	max. 0,02 ppm	min. transmission/max. absorbance	
cobalt (Co).....	max. 0,02 ppm	in a 1,0 cm cell at	
copper (Cu).....	max. 0,02 ppm	wavelength:	T(%) A (AU)
iron (Fe).....	max. 0,02 ppm	200 nm.....	10 % 1,000 AU
lead (Pb).....	max. 0,1 ppm	210 nm.....	30 % 0,523 AU
magnesium (Mg).....	max. 0,1 ppm	230 nm.....	90 % 0,046 AU
manganese (Mn).....	max 0,01 ppm	254 nm.....	99 % 0,004 AU
nickel (Ni).....	max. 0,02 ppm		
tin (Sn).....	max. 0,1 ppm	Microfiltered through membranes	
zinc (Zn).....	max 0,01 ppm	of pore diameter 0,22 μ m	

Physical data

- Density: 0,67 g/cm³
- Solub. in water: (20 °C): insoluble
- Boiling point: 65 - 70 °C
- Flash point: -22 °C
- Vapour pressure: (20 °C) 160 hPa
- Refraction index: (n 20 °C/D) 1,380
- Expl. limit (upper): 8,1 Vol%
- Expl. limit (lower): 1,0 Vol%

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H224: Extremely flammable liquid and vapour.
 H304: May be fatal if swallowed and enters airways.
 H361: Suspected of damaging fertility or the unborn child.
 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

- MAK: 200 ml/m³, 720 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