

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 C6H6).....	max. 0,01 %
appearance.....	clear	sulfur compounds (as S).....	max. 0,005 %
colour (Hazen).....	max. 10	substances darkened by H2SO4.....	passes test
acidity.....	max. 0,0002 meq/g	residue on evaporation.....	max. 0,0002 %
aluminium (Al).....	max. 0,00001 %	water (K.F.).....	max. 0,01 %
barium (Ba).....	max. 0,000001 %		
boron (B).....	max. 0,000002 %	liquid chromatography suitability	
cadmium (Cd).....	max. 0,000001 %	absorbance.....	passes test
calcium (Ca).....	max. 0,00003 %		
chromium (Cr).....	max. 0,000002 %	min. transmission/max. absorbance	
cobalt (Co).....	max. 0,000002 %	in a 1,0 cm cell at	
copper (Cu).....	max. 0,000002 %	wavelength:	T(%) A (AU)
iron (Fe).....	max. 0,000002 %	200 nm.....	10 % 1,000 AU
lead (Pb).....	max. 0,00001 %	210 nm.....	30 % 0,523 AU
magnesium (Mg).....	max. 0,00001 %	230 nm.....	90 % 0,046 AU
manganese (Mn).....	max. 0,000001 %	254 nm.....	99 % 0,004 AU
nickel (Ni).....	max. 0,000002 %		
tin (Sn).....	max. 0,00001 %	Microfiltered through membranes	
zinc (Zn).....	max. 0,000001 %	of pore diameter 0,22 µm	

Packaging
Packaging Code

1 l  HE02211000
 2,5 l  HE02212500
 7 l  HE0221007E
 25 l  HE0221025S

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