

## Identification

C<sub>6</sub>H<sub>14</sub>  
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  
appearance..... clear  
colour (Hazen)..... max. 10  
acidity..... max. 0,0002 meq/g  
aluminium (Al)..... max. 0,1 ppm  
barium (Ba)..... max. 0,01 ppm  
boron (B)..... max. 0,02 ppm  
cadmium (Cd)..... max. 0,01 ppm  
calcium (Ca)..... max. 0,3 ppm  
chromium (Cr)..... max. 0,02 ppm  
cobalt (Co)..... max. 0,02 ppm  
copper (Cu)..... max. 0,02 ppm  
iron (Fe)..... max. 0,02 ppm  
lead (Pb)..... max. 0,1 ppm  
magnesium (Mg)..... max. 0,1 ppm  
manganese (Mn)..... max. 0,01 ppm  
nickel (Ni)..... max. 0,02 ppm

tin (Sn)..... max. 0,1 ppm  
zinc (Zn)..... max. 0,01 ppm  
aromatic hydrocarbons (as C<sub>6</sub>H<sub>6</sub>)..... max. 0,01 %  
sulphur compounds (as S)..... max. 0,005 %  
substances darkened by H<sub>2</sub>SO<sub>4</sub>..... passes test  
residue on evaporation..... max. 0,0002 %  
water (K.F.)..... max. 0,01 %

liquid chromatography suitability absorbance..... passes test

min. transmission/max. absorbance in a 1,0 cm cell at  
wavelength:..... T(%) A (AU)  
200 nm..... 10 % 1,000 AU  
210 nm..... 30 % 0,523 AU  
230 nm..... 90 % 0,046 AU  
254 nm..... 99 % 0,004 AU

Microfiltered through membranes of pore diameter 0,22 µm

## Physical data

- Density: 0,67 g/cm<sup>3</sup>
- 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:

- H225: Highly flammable liquid and vapour.  
H304: May be fatal if swallowed and enters airways.  
H315: Causes skin irritation.  
H336: May cause drowsiness or dizziness.  
H361: Suspected of damaging fertility or the unborn child.  
H373: May cause damage to organs through prolonged or repeated exposure.  
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