

Identification

C₆H₁₄
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 C₆H₆)..... max. 0,01 %
sulphur compounds (as S)..... max. 0,005 %
substances darkened by H₂SO₄..... 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/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:

- 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