

Hexane, fraction from petroleum, for analysis, ExpertQ®

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	iron (Fe).....	max. 0,1 ppm
colour (Hazen).....	max. 10	lead (Pb).....	max. 0,1 ppm
acidity.....	max. 0.0002 meq/g	magnesium (Mg).....	max. 0,1 ppm
aluminium (Al).....	max. 0,5 ppm	manganese (Mn).....	max. 0,02 ppm
barium (Ba).....	max. 0,1 ppm	nickel (Ni).....	max. 0,02 ppm
boron (B).....	max. 0,02 ppm	tin (Sn).....	max. 0,1 ppm
cadmium (Cd).....	max. 0,05 ppm	zinc (Zn).....	max. 0,1 ppm
calcium (Ca).....	max. 0,5 ppm	aromatic hydrocarbons (as C ₆ H ₆).....	max. 0,01 %
chromium (Cr).....	max. 0,02 ppm	sulphur compounds (as S).....	max. 0,005 %
cobalt (Co).....	max. 0,02 ppm	substances darkened by H ₂ SO ₄	passes test
copper (Cu).....	max. 0,02 ppm	residue on evaporation.....	max. 0,0005 %
		water (K.F.).....	max. 0,01 %

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