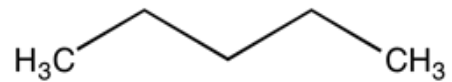


Identification

C₅H₁₂
M = 72,15 g/mol
CAS [109-66-0]
EC number: 203-692-4
Taric code: 2901 10 00

**Synonyms**

1,3-Dimethylpropane, Diethyl methane

Applications

synthesis of organic products, analytical chemistry, reference material, chromatography.

Specifications

assay (G.C.)..... min. 99,5 %
identity (IR-spectrum)..... passes test
density (20°/4°)..... 0,625 - 0,627
residue on evaporation..... max. 0,0001 %

water (K.F.)..... max. 0,01 %
Suitable for organohalogenated pesticide and dioxins, furans and PCBs residue analysis
ECD, from 1,2,4-trichlorobenzene to decachlorobiphenyl, no peaks are obtained greater than 3 pg/ml as lindane.
No peaks are obtained in vicinity of 2,4,5-trichlorobiphenyl.

Physical data

- Density: 0,63 g/cm³
- Solub. in water: (25 °C): 0,04 g/l
- Melting point: -129,7 °C
- Boiling point: 36,1 °C
- Flash point: -48 °C
- Ignition temperature: 285 °C
- Vapour pressure: (20 °C) 573 hPa
- Dielectric const.: (20 °C) 1,8
- Evap. heat: (36 °C) 383 KJ/kg
- Saturation conc.: (20 °C) 1689 g/m³
- Expl. limit (upper): 8 Vol%
- Expl. limit (lower): 1,4 Vol%

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H225: Highly flammable liquid and vapour.
H304: May be fatal if swallowed and enters airways.
H336: May cause drowsiness or dizziness.
H411: Toxic to aquatic life with long lasting effects.
EUH066: Repeated exposure may cause skin dryness or cracking.

**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 1265 • PENTANES, liquid
- IMDG: 3 II • UN 1265 • PENTANES
- IATA/ICAO: 3 II • UN 1265 • PENTANES
- PAX: 305
- CAO: 307
- 15°C - 25°C