

Petroleum ether, boiling range 40 - 60 °C, for GC residue analysis**Identification**

CAS [64742-49-0]
EC number: 265-151-9
Taric code: 2710 12 25

Synonyms

Petroleum benzine, Petroleum spirit

Applications

solvents, analytical chemistry.

Specifications

density (20°/4°).....0,640 - 0,655
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: (15 °C) 0,65 g/cm³
- Solub. in water: (20 °C): almost non-miscible
- Melting point: < -100 °C
- Boiling point: 40 - 60 °C
- Flash point: < -21 °C
- Ignition temperature: 250 °C
- Vapour pressure: (20 °C) 350 hPa
- Viscosity: (20 °C) 0,45 mPas
- Expl. limit (upper): 8 Vol%
- Expl. limit (lower): 0,8 Vol%

Safety - GHS

Signal Word: Danger

Hazard Statements:

H224: Extremely flammable liquid and vapour.
H304: May be fatal if swallowed and enters airways.
H412: Harmful 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 1268 • PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S.
- IMDG: 3 II • UN 1268 • PETROLEUM DISTILLATES, N.O.S.
- IATA/ICAO: 3 II • UN 1268 • PETROLEUM DISTILLATES, N.O.S.
- PAX: 305
- CAO: 307
- 10°C - 30°C