

## 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.  
Suitable for highly volatile halogenated hydrocarbons trace analysis  
ECD, from dichloromethane to 1,2,4-trichlorobenzene, no peaks are obtained greater than 1 ng/ml as tetrachloromethane.

Suitable for pesticide and polycyclic aromatic hydrocarbons residue analysis

FID, from 1-octanol to 1-tetradecanol, no peaks are obtained greater than 5 ng/ml as 1-tetradecanol. No peaks are obtained in vicinity of pyrene.

## Physical data

- Density: (15 °C) 0,65 g/cm<sup>3</sup>
- 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
- 15°C - 25°C