

## Identification

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

## Synonyms

Petroleum benzine, Petroleum spirit

## Applications

analytical chemistry, solvents, chromatography.

## Specifications

boiling range.....	60 - 80 °C	iron (Fe).....	max. 0,1 ppm
density (20°/4°).....	0,650 - 0,710	lead (Pb).....	max. 0,1 ppm
colour (Hazen).....	max. 10	magnesium (Mg).....	max. 0,1 ppm
acidity.....	max. 0,0003 meq/g	manganese (Mn).....	max. 0,02 ppm
aluminium (Al).....	max. 0,5 ppm	nickel (Ni).....	max. 0,02 ppm
barium (Ba).....	max. 0,1 ppm	tin (Sn).....	max. 0,1 ppm
boron (B).....	max. 0,02 ppm	zinc (Zn).....	max. 0,1 ppm
cadmium (Cd).....	max. 0,05 ppm	iodine number.....	max. 0,3
calcium (Ca).....	max. 0,5 ppm	aromatic hydrocarbons (as C <sub>6</sub> H <sub>6</sub> ).....	max. 0,005 %
chromium (Cr).....	max. 0,02 ppm	sulphur compounds (as S).....	max. 0,005 %
cobalt (Co).....	max. 0,02 ppm	substances darkened by H <sub>2</sub> SO <sub>4</sub> .....	passes test
copper (Cu).....	max. 0,02 ppm	residue on evaporation.....	max. 0,0005 %
		water (K.F.).....	max. 0,01 %

## Physical data

- Density: 0,68 g/cm<sup>3</sup>
- Solub. in water: (20 °C): non-miscible
- Boiling point: 60 - 80 °C
- Flash point: < -20 °C
- Ignition temperature: 260 °C
- Vapour pressure: ( 20 °C ) ~ 200 hPa
- Expl. limit (upper): 7,5 Vol%
- Expl. limit (lower): 1,0 Vol%

## Safety - GHS

Signal Word: Danger

### Hazard Statements:

- H224: Extremely flammable liquid and vapour.  
H304: May be fatal if swallowed and enters airways.  
H361: Suspected of damaging fertility or the unborn child.  
H373: May cause damage to organs through prolonged or repeated exposure.  
H315: Causes skin irritation.  
H336: May cause drowsiness or dizziness.  
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 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