

**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**

boiling range (40 - 60 °C).....	min. 90 % vol	nickel (Ni).....	max. 0,000002 %
density (20°/4°).....	0,640 - 0,655	tin (Sn).....	max. 0,00001 %
colour (Hazen).....	max. 10	zinc (Zn).....	max. 0,000001 %
appearance.....	clear	aromatic hydrocarbons (as C6H6).....	max. 0,005 %
acidity.....	max. 0,0003 meq/g	sulfur compounds (as S).....	max. 0,005 %
iodine index.....	max. 0,3	substances darkened by H2SO4.....	passes test
peroxide index.....	max. 0,3	residue on evaporation.....	max. 0,0002 %
aluminium (Al).....	max. 0,00001 %	water (K.F.).....	max. 0,01 %
barium (Ba).....	max. 0,000001 %		
boron (B).....	max. 0,000002 %	min. transmission/max. absorbance	
cadmium (Cd).....	max. 0,000001 %	in a 1,0 cm cell at	
calcium (Ca).....	max. 0,00003 %	wavelength:	T(%) A (AU)
chromium (Cr).....	max. 0,000002 %	210 nm.....	10 % 1,000 AU
cobalt (Co).....	max. 0,000002 %	230 nm.....	90 % 0,046 AU
copper (Cu).....	max. 0,000002 %	250 nm.....	98 % 0,009 AU
iron (Fe).....	max. 0,000002 %		
lead (Pb).....	max. 0,00001 %	Microfiltered through membranes	
magnesium (Mg).....	max. 0,00001 %	of pore diameter 0,22 µm	
manganese (Mn).....	max. 0,000001 %		

**Packaging**
**Packaging Code**

- 1 l  ET00951000
- 2,5 l  ET00952500
- 4 l  ET00954000
- 7 l  ET0095007E

**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.
- P241: Use explosion-proof electrical / ventilating / lighting / equipment.
- P280: Wear protective gloves / protective clothing / eye protection / face protection.
- P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
- P405: Store locked up.
- P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

**Petroleum ether**, boiling range 40 - 60 °C, Multisolvent® HPLC grade  
ACS ISO UV-VIS

**Toxicological data**

- LD 50 (oral, rat): > 5000 mg/kg
- MAK: 50 ml/m<sup>3</sup>, 180 mg/m<sup>3</sup>
- WGK: 1
- Poison class CH (Swiss): 4

**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
- Store between 15°C and 25°C