

Petroleum ether, boiling range 40 - 60 °C, for analysis, ExpertQ®, ACS, ISO**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. | copper (Cu)..... | max. 0,02 ppm |
| density (20°/4°)..... | 0,640 - 0,655 | iron (Fe)..... | max. 0,1 ppm |
| colour (Hazen)..... | max. 10 | lead (Pb)..... | max. 0,1 ppm |
| acidity..... | max. 0,0003 meq/g | magnesium (Mg)..... | max. 0,1 ppm |
| iodine index..... | max. 0,3 | manganese (Mn)..... | max. 0,02 ppm |
| aluminium (Al)..... | max. 0,5 ppm | nickel (Ni)..... | max. 0,02 ppm |
| barium (Ba)..... | max. 0,01 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 | aromatic hydrocarbons (as C ₆ H ₆)..... | max. 0,02 % |
| calcium (Ca)..... | max. 0,5 ppm | sulphur compounds (as S)..... | max. 0,005 % |
| chromium (Cr)..... | max. 0,02 ppm | substances darkened by H ₂ SO ₄ | passes test |
| cobalt (Co)..... | max. 0,02 ppm | residue on evaporation..... | max. 0,0005 % |
| | | water (K.F.)..... | max. 0,01 % |

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