

Petroleum ether, boiling range 40 - 60 °C, EssentQ®

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	iron (Fe).....	max. 0,5 ppm
density (20°/4°).....	0,640 - 0,655	lead (Pb).....	max. 0,2 ppm
acidity.....	max. 0,001 meq/g	nickel (Ni).....	max. 0,2 ppm
aromatic hydrocarbons (as C6H6).....	max. 0,01 %	sulphur compounds (as CS2).....	max. 0,01 %
n-hexane (G.C.).....	max. 2 %	substances darkened by H ₂ SO ₄	passes test
copper (Cu).....	max. 0,2 ppm	residue on evaporation.....	max. 0,001 %
		water (K.F.).....	max. 0,02 %

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
- 15°C - 25°C