

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	magnesium (Mg).....	max. 0,00001 %
density (20°/4°).....	0,650 - 0,710	manganese (Mn).....	max. 0,000002 %
colour (Hazen).....	max. 10	nickel (Ni).....	max. 0,000002 %
acidity.....	max. 0,0003 meq/g	tin (Sn).....	max. 0,00001 %
aluminium (Al).....	max. 0,00005 %	zinc (Zn).....	max. 0,00001 %
barium (Ba).....	max. 0,00001 %	iodine number.....	max. 0,3
boron (B).....	max. 0,000002 %	aromatic hydrocarbons (as C6H6).....	max. 0,005 %
cadmium (Cd).....	max. 0,000005 %	sulfur compounds (as S).....	max. 0,005 %
calcium (Ca).....	max. 0,00005 %	substances darkened by H2SO4.....	passes test
chromium (Cr).....	max. 0,000002 %	residue on evaporation.....	max. 0,0005 %
cobalt (Co).....	max. 0,000002 %	water (K.F.).....	max. 0,01 %
copper (Cu).....	max. 0,000002 %		
iron (Fe).....	max. 0,00001 %		
lead (Pb).....	max. 0,00001 %		

Packaging
Packaging Code

1 l  ET01011000
 2,5 l  ET01012500

Physical data

- Density: 0,68 g/cm³
- 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.
 P241: Use explosion-proof electrical / ventilating / lighting / equipment.
 P260: Do not breathe dust / fume / gas / mist / vapours / spray.
 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.

Toxicological data

- MAK: 50 ml/m³, 180 mg/m³
- 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