



PRODUCT CODE: 191315

Petroleum Ether 40-60°C (DAB) pharma grade

TARIC 2710 12 25 99

Hydrocarbons mixture, mainly n-Pentane and 2-Methylpentane and less amounts of iso-Pentane , 2,2- and 2,3-Dimethylpentane and 3-Methylpentane .

SYNONYMS: Ligroin, Naphtha, Petroleum Benzin

PHYSICAL DATA: liquid, Clear, Colourless, Insoluble in water D (15 °C) 0,65 • B.P.: 40 - 60 °C • n₂₀/D : 1,363 • Flash P.: -21 °C • Ign. T.:245 °C • Vap. press. (20 °C) 350 hPa • Viscosity 25 °C 0,25 mPa.s • D. M. 20 °C 0 Debye • Expl. limit1 %(V)7 %(V) •

BIBLIOGRAPHY: Merck Index **12**, 5.513 **13**, 5.510 Safety **2** , **2733 B** • Römp **8** , **909** • Kühn-Birett **K 32** • ACS **XI** • ISO 6353/3-1987 R - 73 , 43 • DAB 1999 •

HAZARDOUS: C.E: 649-328-00-1 • RTECS: OI 6180000 • LD50 oral rat 2.000 mg/kg • LD50 oral rat >2.000 mg/kg • LC50 rat 54 mg/l / 4h • LD50 skn rbt 4.000 mg/kg • PEL n-pentane 1.000 ppm3.000 mg/m3

Derived No Effect Level (DNEL)

iso-pentane Population, oral, long term (systemic) 1301mg/kg bw/24h Population, Dermal, long exposure (systemic) 1377mg/kg bw/24h Workers Dermal, long exposure (systemic) 13964mg/kg bw/24h Population Inhalation, long term (systemic) 1.131 mg/m3 Workers Inhalation, long term (systemic) 5.306 mg/m3 n-pentane Population, oral, long term (systemic) 214mg/kg bw/24h Population, Dermal, long exposure (systemic) 214mg/kg bw/24h Workers Dermal, long exposure (systemic) 432mg/kg bw/24h Population Inhalation, long term (systemic) 643 mg/m3 Workers Inhalation, long term (systemic) 3.000 mg/m3



H: H225 • H315 • H304 • H336 • H411 •
P: P210 • P240 • P273 • P301+P310 • P331 • P403+P235 • P501 •

TRANSPORT REGULATIONS: UN: 1268 • ADR: 3/II • IMDG: 3/II • IATA: 3/II • PAX: 353 • CAO: 364 • (D/E) •

WEIGHT/VOLUME INFORMATION: 1l~0,645 kg 1kg~1,55 l

SPECIFICATIONS:

| | |
|--------------------------------------|-------------|
| Density at 20/20 | 0,642-0,656 |
| Range of Boiling (≥ 75 Vol. %) | 40-60°C |

Maximum limit of impurities

| | |
|---|-------------|
| Appearance | passes test |
| Acidity or alkalinity | passes test |
| Non-volatile matter | 0,001 % |
| Darkened substances by H ₂ SO ₄ | passes test |
| Sulphur compounds and reducing subst | passes test |
| Foreign substances and odours | passes test |
| Benzene | 0,001% |
| n-Hexane | 2% |
| Tetraethyl Lead | passes test |

Elemental impurities (ICH Q3D):

Class 1

| | |
|----|---------|
| Cd | 0,5 ppm |
| Pb | 0,5 ppm |
| As | 1,5 ppm |
| Hg | 1,5 ppm |

Class 2A

| | |
|----|--------|
| Co | 5 ppm |
| V | 10 ppm |
| Ni | 20 ppm |

Class 2B

| | |
|----|---------|
| Tl | 0,8 ppm |
| Au | 10 ppm |
| Pd | 10 ppm |
| Ir | 10 ppm |
| Os | 10 ppm |
| Rh | 10 ppm |
| Ru | 10 ppm |
| Se | 15 ppm |
| Ag | 15 ppm |
| Pt | 10 ppm |

Class 3

| | |
|----|---------|
| Li | 55 ppm |
| Sb | 120 ppm |
| Ba | 140 ppm |
| Mo | 25 ppm |
| Cu | 250 ppm |
| Sn | 600 ppm |
| Cr | 25 ppm |

