



PRODUCT CODE: 131315

Petroleum Ether 40-60°C for analysis, ACS, ISO

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. limit 1 % (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 ppm 3.000 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 • 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 20/4	0,640-0,655
Range of Boiling	40-60°C

Maximum limit of impurities

APHA colour	10
Acidity	0,0003 meq/g

Non-volatile matter	0,001 %
Sulfur compounds (as CS ₂)	0,005 %
Peroxides	0,0001 %
Bromine index	1
Aromatic hydrocarbons (C ₆ H ₆) (U.V.)	0,02%
Water (H ₂ O)	0,01 %

Metals by ICP [in mg/Kg (ppm)]

Ag	0,05
Al	0,5
As	0,05
Au	0,05
B	0,02
Ba	0,1
Be	0,02
Bi	0,05
Ca	0,5
Cd	0,05
Co	0,02
Cr	0,02
Cu	0,02
Fe	0,1
Ga	0,02
Ge	0,05
Hg	0,05
In	0,05
K	0,1
Li	0,05
Mg	0,1
Mn	0,02
Mo	0,02
Na	0,5
Ni	0,02
P	0,2
Pb	0,1
Pt	0,02
S	0,2
Sb	0,02
Si	0,2
Sn	0,1
Sr	0,2
Ti	0,02
Tl	0,02

V
Zn
Zr

0,02
0,1
0,02

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DOMINIQUE DUTSCHER SAS