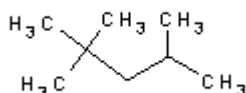


PRODUCT CODE: 132064

Isooctane (Reag. USP, Ph. Eur.) for analysis, ACS

C₈H₁₈

C₈H₁₈



M.= 114,23

CAS [540-84-1]

EINECS 208-759-1

TARIC 2901 10 00 00

SYNONYMS: 2,2,4-Trimethylpentane, iso-Butyltrimethylmethane, iso-Octane

PHYSICAL DATA: liquid, Clear, Colourless, Immiscible with water. • D 20/4 0,69 • M.P.: -107,4 °C • B.P.: 99,3 °C • n₂₀/D : 1,3916 • Flash P.: -12 °C • Viscosity 25 °C 0,47 mPa.s • D. M. 20 °C 0 Debye • Dielec. constant 20 °C 1,94 • Evap. number (DIN 53170) 2,3 • Heat evap. 99 °C 334 KJ/Kg • Satur. conc. 20 °C 236 g/m³ • Expl. limit 1,1 %(V) 6 %(V) •

BIBLIOGRAPHY: Merck Index **12**, 5.210 13, 5.212 Sax **TLI500** • Safety **2**, **3491 A** • Kühn-Birett **O 9** • Ullmann **(5.)4**, 486 • Beilstein **1**, **II**, **127 III**, **492 IV**, **439** • BRN 1696876 • ACS **XI** •

HAZARDOUS: C.E: 601-009-00-8 • RTECS: SA 3320000 •

Derived No Effect Level (DNEL)

Population, oral, long term (systemic) 699mg/kg bw/24h Population, Dermal, long exposure (systemic) 699mg/kg bw/24h Workers Dermal, long exposure (systemic) 773mg/kg bw/24h Population Inhalation, long term (systemic) 608 mg/m³ Workers Inhalation, long term (systemic) 2.035 mg/m³



H: H225 • H315 • H304 • H336 • H410 •

P: P210 • P240 • P273 • P301+P310 • P331 • P403+P235 • P501 •

TRANSPORT REGULATIONS: UN: 1262 • ADR: 3/II • IMDG: 3/II • IATA: 3/II • PAX: 353 • CAO: 364 • (D/E) •

WEIGHT/VOLUME INFORMATION: 1l~0,69 kg 1kg~1,44 l

SPECIFICATIONS:

Minimum assay (G.C.)	99,0%
Identity :	
Identity	IR passes test
Density at 20/20	0,691-0,696
Range of Distillation (>95% dist.)	98-100°C
Refractive Index n20/D	1,391-1,393

Maximum limit of impurities

APHA colour	10
Acidity	0,0003 meq/g

Non-volatile matter	0,001 %
Sulfur compounds (as S)	0,005 %
Water (H2O)	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
Sb	0,02
Si	0,2
Sn	0,1
Sr	0,2
Ti	0,02
Tl	0,02
V	0,02
Zn	0,1
Zr	0,02