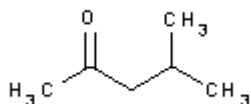


PRODUCT CODE: 131430

4-Methyl-2-Pentanone (Reag. USP, Ph. Eur.) for analysis, ACS

C₆H₁₂O

C₆H₁₂O



M.= 100,16

CAS [108-10-1]

EINECS 203-550-1

TARIC 2914 13 00 00

FEMA 2731

SYNONYMS: Isobutylmethylketone, iso-Butylmethylketone, Isopropylacetone, iso-Propylacetone, Methyl Isobutylketone, Methyl iso-Butylketone, MIB

PHYSICAL DATA: liquid, Clear, Colourless, Soluble in water 19 g/l at 20 °C D 20/4 0,801 • M.P.: -80 °C • B.P.: 118 °C • n₂₀/D : 1,3959 • Flash P.:13 °C • Ign. T.:460 °C • Vap. press. (20 °C) 20 hPa • Viscosity 15 °C 0,59 mPa.s • D. M. 20 °C 13,11 Debye • Dielec. constant 20 °C 13,1 • Evap. number (DIN 53170) 10 • Heat evap. 118 °C 364 KJ/Kg • Satur. conc. 20 °C 27 g/m³ • Expl. limit 1,2 % (V) 8 % (V) •

BIBLIOGRAPHY: Merck Index **13**, 5.227 Sax **HFG500** • Safety **2**, **2405 C** • Kühn-Birett **M 28** • Ullmann **(4.)14**, 198 • Beilstein **1**, **691 I**, **355 II**, **748 III**, **2832 IV**, **3305** • BRN 605399 • ACS **XI** • USP **43** • F.C.C **12 13** •

HAZARDOUS: C.E: 606-004-00-4 • RTECS: SA 9275000 • LD50 oral rat 2.080 mg/kg • LC50 mus 23000mg/m³ • LC50 rat 8200mg/m³ / 4h • VLA-EC 50 ppm 208 mg/m³ VLA-ED 20 ppm 83 mg/m³



H: H225 • H332 • H319 • H336 • H351 • EUH066 •
 P: P210 • P304+P340 • P305+P351+P338 • • • •

TRANSPORT REGULATIONS: UN: 1245 • ADR: 3/II • IMDG: 3/II • IATA: 3/II • PAX: 353 • CAO: 364 • (D/E) •
WEIGHT/VOLUME INFORMATION: 1l-0,799 kg 1kg-1,252 l

SPECIFICATIONS:

Minimum assay (G.C.)	99,0%
Identity :	
Identity	IR passes test
Density at 20/4	0,798-0,802
Range of Distillation	<4,0°C

Maximum limit of impurities

APHA colour	15
Acidity	0,002 meq/g

Non-volatile matter	0,001 %
Water (H2O)	0,1 %

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	0,02
Zn	0,1
Zr	0,02