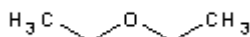
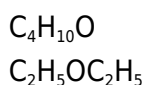


**PRODUCT CODE: 192770****Diethyl Ether anaesthetic stabilized with ~ 6 ppm of BHT (BP, Ph. Eur.) pharma grade**

M.= 74,12

CAS [60-29-7]

EINECS 200-467-2

TARIC 2909 11 00 00

FEMA 3-07

**SYNONYMS:** 1,1'-Oxibisethane, Diethyl Ether, Ethoxyethane, Ethyl Ether, Ethyl Oxide, Sulphuric Ether

**PHYSICAL DATA:** liquid, Clear, Colourless, Soluble in water 69 g/l at 20 °C D 20/4 0,71 • M.P.: -116 °C • B.P.: 34,6 °C • n<sub>20/D</sub> : 1,3526 • Flash P.: -40 °C • Vap. press. (20 °C) 587 hPa • Viscosity 20 °C 0,23 mPa.s • D. M. 20 °C 1,25 Debye • Dielec. constant 20 °C 4,3 • Evap. number (DIN 53170) 1 • Heat evap. 35 °C 392 KJ/Kg • Satur. conc. 20 °C 1176 g/m<sup>3</sup> • Expl. limit 1,7 %(V) 36 %(V) •

**BIBLIOGRAPHY:** Merck Index **12**, 3.852 13, 3.840 Sax **EJU000** • Safety **2**, **1549 A** • Kühn-Birett **A 19** • Beilstein **1**, **314 I**, **158 II**, **311 III**, **1289 IV**, **1314** • BRN 1696894 • ACS **XI** • ISO 6353/3-1987 R - 58, 23 • BP.**2018** • USP **41** • Ph. Eur. **8.0** (2014) **9.0** (2017) • Royal Decree **I885** •

**HAZARDOUS:** C.E: 603-022-00-4 • RTECS: KI 5775000 • LD L0 oral man 260 mg/kg • LD50 oral rat 1.215 mg/kg • LC50 inh rat 73000 ppm / 2h • VLA-EC 200 ppm 1.540 mg/m<sup>3</sup> VLA-ED 100 ppm 1.230 mg/m<sup>3</sup>



H: H224 • H302 • H336 • EUH019 • EUH066 •

P: P210 • P261 • P301+P312 • P303+P361+P353 • P304+P340 • P312 • P243 • P233 • P264 • P270 • P271 • P280 • P240 • P241 • P242 • P501 • P330 • P370+P378 • P403+P233 • P403+P235 • P405 •

**TRANSPORT REGULATIONS:** UN: 1155 • ADR: 3/I • IMDG: 3/I • IATA: 3/I • PAX: 351 • CAO: 361 • (D/E) •**WEIGHT/VOLUME INFORMATION:** 1l~0,715 kg 1kg~1,399 l

**OBSERVATIONS:** Product controlled as a drug precursor. • Storage away from direct light. • Storage between +8 and +15°C •

**SPECIFICATIONS:**

Minimum assay (G.C.)	99,5%
Identity :	
Identity according to Pharmacopoeias:	passes test
Density at 20/20	0,714-0,716
Range of Distillation	34,0-35,0°C

**Maximum limit of impurities**

Acidity	passes test
Non-volatile matter	0,002 %
Peroxides (as H <sub>2</sub> O <sub>2</sub> )	passes test*
Odorous substances	passes test
Residual solvents (Ph.Eur.)	passes test
Acetone and aldehydes	passes test
Water (H <sub>2</sub> O)	0,2 %

**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

**\* At the moment of the batch analysis.**

Ed.: 6 . Vig.: 18.07.2017 .

Prod.: 192770