

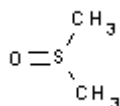


**PRODUCT CODE: 751954**

**Dimethyl Sulfoxide for Headspace GC**

---

C<sub>2</sub>H<sub>6</sub>OS



M.= 78,13

CAS [67-68-5]

EINECS 200-664-3

TARIC 2930 90 98 99

**SYNONYMS:** DMSO, Methylsulphoxide, Sulphinylbismethane

**PHYSICAL DATA:** liquid, Clear, Colourless, Miscible with water • Hygroscopic • D 20/4 1,1014 • M.P.: 18,4 °C • B.P.: 189 °C • n<sub>20/D</sub> : 1,477 • Ign. T.:270 °C • Vap. press. (20 °C) 0,6 hPa • Viscosity 20 °C 2 mPa.s • D. M. 20 °C 3,9 Debye • Dielec. constant 20 °C 4,7 •

**BIBLIOGRAPHY:** Merck Index **13**, 3.285 Sax **DUD800** • Safety **2**, **2440 C** • Kühn-Birett **D 36** • Ullmann **(5.)9**, 243 • Beilstein **1**, **289 II**, **277 III**, **1217 IV**, **1277** • BRN 506008 • Fieser **1296 2157 3119 4192 5263 6225 7133 8198 9189 10166 11214 12213 13124** • ACS **XI** • BP.**2018** • USP **41** • Ph. Eur. **8.0** (2014) **9.0** (2017) • Royal Decree **I811** •

**HAZARDOUS:** RTECS: PV 6210000 • LD<sub>50</sub> oral rat 14.500 mg/kg • LD<sub>50</sub> skn rat 40.000 mg/kg • LD<sub>50</sub> ipr mus 2.500 mg/kg

**WEIGHT/VOLUME INFORMATION:** 1l~1,103 kg 1kg~0,907 l

**OBSERVATIONS:** Storage away from direct light. •

**SPECIFICATIONS:**

Minimum assay (G.C.)  
Identity :

99,9 %

Identity  
Refractive Index n<sub>20</sub>/D

IR passes test  
1,477 - 1,480

**Maximum limit of impurities**

APHA colour

10

Suitability for analysis of residual solvents CG/HS :

Solvents of class 1 according to ICH

0,5 ppm

Solvents of class 2 according to ICH

5 ppm

Solvents of class 3 according to ICH

25 ppm

Water (H<sub>2</sub>O)

0,04 %

Ed.: 3 . Vig.: 27.03.2012 .

Prod.: 751954