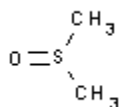


**PRODUCT CODE: 161954****Dimethyl Sulfoxide, 99.5% for synthesis****C₂H₆OS****M.= 78,13****CAS [67-68-5]****EINECS 200-664-3****TARIC 2930 90 95 99****SYNONYMS:** DMSO, Methylsulphoxide, Sulphinylbismethane

PHYSICAL DATA: liquid, Clear, Colourless, Miscible with water and ethanol 96% Practically insoluble in acetone, alcohol, benzene, chloroform and ether. • Hygroscopic • D 20/4 1,1014 • M.P.: 18,4 °C • B.P.: 189 °C • n₂₀/D : 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.**2025** • USP **43** • Ph. Eur. **10.0** (2019) **11.0** (2023) • Royal Decree I811 •

HAZARDOUS: RTECS: PV 6210000 • LD₅₀ oral rat 14.500 mg/kg • LD₅₀ skn rat 40.000 mg/kg • LD₅₀ 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.)

99,5%

Identity :

Identity

IR passes test

Freezing point

>= 18,0°C

Water (H₂O)

0,1 %

