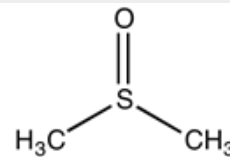


**Identification**

C<sub>2</sub>H<sub>6</sub>OS  
M = 78,13 g/mol  
CAS [67-68-5]  
EC number: 200-664-3  
Taric code: 2930 90 98

**Synonyms**

DMSO, Sulfinyl bis(methane), Methylsulfoxide, Methylsulfinylmethane

**Applications**

analytical chemistry, solvents, synthesis of organic products.

**Specifications**

assay (G.C.).....	min. 99,9 %	acidity.....	max. 0,0002 meq/g
identity (IR-spectrum).....	passes test	heavy metals (as Pb).....	max. 1 ppm
density (20°/4°).....	1,099 - 1,101	iron (Fe).....	max. 1 ppm
appearance.....	clear	substances darkened by H <sub>2</sub> SO <sub>4</sub> .....	passes test
colour (Hazen).....	max. 10	residue on evaporation.....	max. 0,001 %
		water (K.F.).....	max. 0,1 %

**Physical data**

- Density: 1,10 g/cm<sup>3</sup>
- Solub. in water: (20 °C): miscible
- Melting point: 18,5 °C
- Boiling point: (33 hPa) 85 - 87 °C
- Flash point: 95 °C
- Ignition temperature: 300 - 302 °C
- Vapour pressure: (20 °C) 0,6 hPa
- Refraction index: (n 20 °C/D) 1,48
- Viscosity: (25 °C) 1,98 mPas
- Saturation conc.: (20 °C) 8,0 g/m<sup>3</sup>
- Expl. limit (upper): 63,0 Vol%
- Expl. limit (lower): 1,8 Vol%
- Hygroscopic

**Safety - GHS**

**Signal Word:** Warning

**Hazard Statements:**

H315: Causes skin irritation.  
H319: Causes serious eye irritation.

**Precautionary Statements:**

P280: Wear protective gloves / protective clothing / eye protection / face protection.  
P264: Wash thoroughly after handling.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P321: Specific treatment (see on this label).  
P332+P313: If skin irritation occurs: Get medical advice / attention.  
P337+P313: If eye irritation persists: Get medical advice / attention.

**Transport/storage**

- 10°C - 30°C