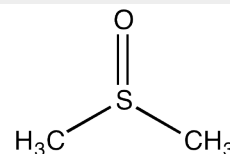


**Identification**

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 99


**Synonyms**

DMSO, Sulfinyl bis(methane), Methylsulfoxide, Methylsulfinylmethane

**Applications**

analytical chemistry, solvents, synthesis of organic products.

**Specifications**

assay (G.C.)..... min. 99,99 %  
 refractive index n<sub>20</sub>/D..... 1,477 - 1,480  
 water (K.F.)..... max. 0,04 %

Packed under inert gas

Suitable for residual solvents

analysis

Residual solvents are analysed

according to guideline

CPMP/ICH/283/95.

Class 1 solvents excluded

by production process

Class 2 and class 3 solvents likely

to be present below following limits

dichloromethane.....	0,6 mg/l
tert-Butyl methyl ether.....	1 mg/l
acetone .....	1 mg/l
methanol .....	1 mg/l
tetrahydrofuran.....	0,7 mg/l
n-Hexane.....	0,3 mg/l
ethyl acetate.....	1 mg/l
ethanol.....	1 mg/l
cyclohexane.....	1 mg/l
acetonitrile.....	0,4 mg/l
2-propanol.....	1 mg/l
isopropyl acetate.....	1 mg/l
n-Propanol.....	1 mg/l
n-Heptane.....	1 mg/l
methylcyclohexane.....	1 mg/l
1,4-Dioxane.....	0,4 mg/l
toluene.....	0,9 mg/l
pyridine.....	1 mg/l
n-Butanol.....	1 mg/l
butyl acetate.....	1 mg/l
ethylbenzene.....	1 mg/l
p-Xylene.....	1 mg/l
m-Xylene.....	1 mg/l
o-Xylene.....	1 mg/l
benzene (G.C.).....	absence

**Packaging**

Packaging Code

1 | 0 SU01651000

**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.

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).

P362: Take off contaminated clothing and wash before reuse.

P332+P313: If skin irritation occurs: Get medical advice / attention.

P337+P313: If eye irritation persists: Get medical advice / attention.

**Toxicological data**

• LD 50 (oral, rat): 14500 mg/kg

• WGK: 1

• Poison class CH (Swiss): F