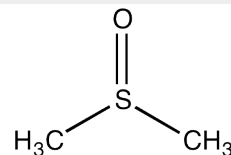


Identification

C₂H₆OS
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 ₂ SO ₄	passes test
colour (Hazen).....	max. 10	residue on evaporation.....	max. 0,001 %
		water (K.F.).....	max. 0,1 %

Physical data

- Density: 1,10 g/cm³
- 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/m³
- 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