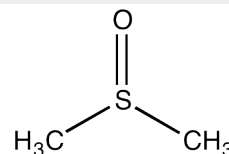


Identification

C₂H₆OS
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. 99,9 %	heavy metals (as Pb).....	max. 0,0001 %
identity (IR-spectrum).....	passes test	iron (Fe).....	max. 0,0001 %
density (20°/4°).....	1,099 - 1,101	substances darkened by H2SO4.....	passes test
appearance.....	clear	residue on evaporation.....	max. 0,001 %
colour (Hazen).....	max. 10	water (K.F.).....	max. 0,1 %
acidity.....	max. 0,0002 meq/g		

Packaging
Packaging Code

1 l  SU01531000
2,5 l  SU01532500
5 l  SU0153005P

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.
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