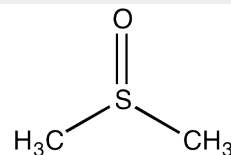


Identification

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, in pharma industry.

Specifications

assay.....	min. 99,9 %	each unspecified impurity.....	max. 0,1 %
Identification IR.....	passes test	residue on evaporation.....	max. 0,01 %
Identification B (USP).....	passes test	water (K.F.).....	max. 0,1 %
Identification D (EP).....	passes test	max. absorbance in a 1,0 cm cell at	
density (20°/20°).....	1,100 - 1,104	wavelength:.....	A (AU)
density (25°/25°).....	1,095 - 1,101	275 nm.....	0,20
refractive index n ₂₀ /D.....	1,478 - 1,480	285 nm.....	0,20
refractive index n ₂₅ /D.....	1,4755 - 1,4775	295 nm.....	0,20
acidity.....	passes test	absorbance ratio 285/275 nm.....	max. 0,65
freezing point.....	min. 18,3 °C	absorbance ratio 295/275 nm.....	max. 0,45
Related substances:		absorbance 270 - 350nm.....	passes test
total	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