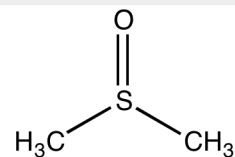


Identification

C_2H_6OS
 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. 99,8 %	min. transmission/max. absorbance	
identity (IR-spectrum).....	passes test	in a 1,0 cm cell at	
density (20°/4°).....	1,099 - 1,101	wavelength:	T(%) A (AU)
acidity.....	max. 0,0005 meq/g	268 nm.....	20 % 0,699 AU
alkalinity.....	max. 0,0002 meq/g	280 nm.....	50 % 0,301 AU
residue on evaporation.....	max. 0,0003 %	320 nm.....	90 % 0,046 AU
water (K.F.).....	max. 0,1 %		

Microfiltered through membranes
of pore diameter 0,22 µm

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