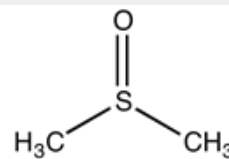


Identification

C_2H_6OS
 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 %	cyclohexane.....	1 mg/l
refractive index n ₂₀ /D.....	1,477 - 1,480	acetonitrile.....	0,4 mg/l
water (K.F.).....	max. 0,04 %	2-propanol.....	1 mg/l
		isopropyl acetate.....	1 mg/l
Packed under inert gas		n-Propanol.....	1 mg/l
Suitable for residual solvents analysis according to guideline		n-Heptane.....	1 mg/l
CPMP/ICH/283/95, Ph Eur and USP.		methylcyclohexane.....	1 mg/l
Class 1 according to ICH less than 0,5 ppm.		1,4-Dioxane.....	0,4 mg/l
benzene (G.C.).....	absence of peak	toluene.....	0,9 mg/l
Class 2 and class 3 solvents		pyridine.....	1 mg/l
dichloromethane.....	0,6 mg/l	n-butanol.....	1 mg/l
tert-Butyl methyl ether.....	1 mg/l	butyl acetate.....	1 mg/l
acetone.....	1 mg/l	ethylbenzene.....	1 mg/l
methanol.....	1 mg/l	p-Xylene.....	1 mg/l
tetrahydrofuran.....	0,7 mg/l	m-Xylene.....	1 mg/l
n-Hexane.....	0,3 mg/l	o-Xylene.....	1 mg/l
ethyl acetate.....	1 mg/l	Other class 2 solvents.....	max. 10 mg/L
ethanol.....	1 mg/l	Other class 3 solvents.....	max. 50 mg/L

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: (n₂₀ °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