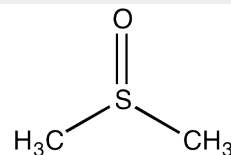


Dimethyl sulfoxide, GC head space grade

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 %
refractive index n_{20/D}..... 1,477 - 1,480
water (K.F.)..... max. 0,04 %

Packed under inert gas

Suitable for residual solvents analysis according to guideline CPMP/ICH/283/95, Ph Eur and USP.

Class 1 according to ICH less than 0,5 ppm.

benzene (G.C.)..... absence of peak

Class 2 and class 3 solvents

dichloromethane..... 0,6 mg/l

tert-Butyl methyl ether..... 1 mg/l

acetone 1 mg/l

methanol 1 mg/l

tetrahydrofuran..... 0,7 mg/l

n-Hexane..... 0,3 mg/l

ethyl acetate..... 1 mg/l

ethanol..... 1 mg/l

cyclohexane..... 1 mg/l

acetonitrile..... 0,4 mg/l

2-propanol..... 1 mg/l

isopropyl acetate..... 1 mg/l

n-Propanol..... 1 mg/l

n-Heptane..... 1 mg/l

methylcyclohexane..... 1 mg/l

1,4-Dioxane..... 0,4 mg/l

toluene..... 0,9 mg/l

pyridine..... 1 mg/l

n-butanol..... 1 mg/l

butyl acetate..... 1 mg/l

ethylbenzene..... 1 mg/l

p-Xylene..... 1 mg/l

m-Xylene..... 1 mg/l

o-Xylene..... 1 mg/l

Other class 2 solvents..... max. 10 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: (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