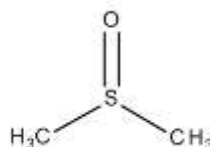


TIQ-F-QC-003
 Rev.00

Technical Data Sheet

DIMETHYL SULPHOXIDE 99 % AR

DMSO, Methanesulfinylmethane, Methyl sulfoxide



| | | | |
|--------------------------|----------------------------------|-------------------------|--------------------|
| Product Code | B-3030 | Grade | Analytical Reagent |
| Purity | 99% | CAS No | 67-68-5 |
| Molecular Formula | C ₂ H ₆ SO | Molecular Weight | 78,13 g/mol |
| H.S.Code | 2930.9099 | Shelf Life | 60 Months |

Physical Properties

| | | | |
|--|--------------------------|---|-------------------------------|
| Physical state at 20 °C | Liquid | Colour | Clear colourless |
| Odour | Odorless | Melting Point/ Freezing point (°C) | 18,5°C at 1.013 hPa |
| Boiling Point | 189°C at 1.013 hPa | Flash point (°C) | 87°C |
| Solubility in water (% weight) | Completely miscible | Vapour pressure (°C) | 0,55 hPa at °C |
| Auto-ignition temperature (°C) | 300 - 301°C at 1.030 hPa | Density (g/cm³) | 1.1 g/cm ³ at 20°C |
| Partition coefficient Log Pow octanol / water at 20°C | -1,35 | Explosion limits – lower (%) | 2,6% |
| Decomposition temperature | >190°C | Explosion limits – upper (%) | 28,5% |

Packaging

500 ml

Specification

| | |
|--|---------------------------------|
| Appearance | A clear colorless liquid |
| Assay (GC) | min 99.0 % |
| Wt. Per ml at 20 °C | 1.099 – 1.101 g/cm ³ |
| Freezing point | 18.0 – 18.4 °C |
| Refractive index (n ²⁰ _D) | 1.478 – 1.479 |
| Water (H ₂ O) | max 0.1 % |
| Non-volatile matter | max 0.01 % |
| Copper (Cu) | max 0.0001 % |
| Iron (Fe) | max 0.0001 % |

Lead (Pb)

max 0.0001 %

Safety Information and Hazard Symbols

NO GHS

Symbol: not applicable

Signal Word: Warning

UN No.: not applicable

IMCO Class No.: not applicable

Packing Group: not applicable

Hazardous Statement: not applicable

Precaution Statement: not applicable

Labotiq