

Product name:

**Dimethyl sulfoxide**

**Synonyms:**

Methanesulfinylmethane, Methyl sulfoxide, Dimethyl(oxido)sulfur, DMSO

**CAS number:**

67-68-5

|                             |                                                           |                                                |
|-----------------------------|-----------------------------------------------------------|------------------------------------------------|
| <b>General information:</b> |                                                           |                                                |
|                             | <b>Chemical formula:</b> C <sub>2</sub> H <sub>6</sub> OS | <b>Molar Mass:</b> 78.13 g/mol                 |
|                             | <b>Appearance:</b> colorless liquid                       | <b>Density:</b> 1.10 g/cm <sup>3</sup> (20 °C) |
|                             | <b>Solub. in water:</b> 1000 g/L                          | <b>Melting point:</b> 18.5 °C                  |
|                             | <b>Boiling point:</b> 189 °C (1013 hPa)                   | <b>Flash point:</b> 87 °C                      |
|                             | <b>Storage temp.:</b> Store at +5°C to +30°C.             | <b>Cautions:</b> Do not eat                    |
|                             | <b>R:</b> N/A                                             | <b>S:</b> N/A                                  |
|                             | <b>HS-No:</b> 2930 90 98                                  | <b>EC-Index-No.:</b> 200-664-3                 |

Hazard Symbol



Safety Information

Grade

Extra pure

|                       |                              |   |               |    |
|-----------------------|------------------------------|---|---------------|----|
| <b>Specification:</b> |                              |   |               |    |
|                       | Appearance                   |   | Conforms      |    |
|                       | Identification IR            |   | Conforms      |    |
|                       | Water (KF)                   | ≤ | 0.5           | %  |
|                       | Assay                        | ≥ | 99.0          | %  |
|                       | Specific gravity             |   | 1.095-1.101   |    |
|                       | Refractive index             |   | 1.4755-1.4775 |    |
|                       | Acidity                      | ≤ | 10            | ml |
|                       | Limit of nonvolatile residue | ≤ | 0.05          | %  |

| Ordering code | 1 L             | 2.5 L           | 5 L | 10 L | 20 L |
|---------------|-----------------|-----------------|-----|------|------|
| P.E.          |                 |                 |     |      |      |
| Glass         | 262.06.01000.01 | 262.06.02500.01 |     |      |      |