

Product name:

**Stearic acid 50**

**Synonyms:**

-

**CAS number:**

57-11-4

|                             |                                                                         |                                               |
|-----------------------------|-------------------------------------------------------------------------|-----------------------------------------------|
| <b>General information:</b> |                                                                         |                                               |
|                             | <b>Chemical formula:</b> C <sub>18</sub> H <sub>36</sub> O <sub>2</sub> | <b>Molar Mass:</b> 284.48 g/mol               |
|                             | <b>Appearance:</b> white or yellowish-white powder                      | <b>Bulk density:</b> ~ 0.84 g/cm <sup>3</sup> |
|                             | <b>Solub. in water:</b> insoluble                                       | <b>Melting point:</b> 69.4 °C                 |
|                             | <b>Ignition temperature:</b> 395 °C                                     | <b>Flash point:</b> 200 °C                    |
|                             | <b>Storage temp.:</b> Below +30 °C                                      | <b>Cautions:</b> Not hazardous substance      |
|                             | <b>R:</b> 36/37/38                                                      | <b>S:</b> 37/39                               |
|                             | <b>HS-No.:</b> 2915 70 20                                               | <b>EC -No.:</b> 200-313-4                     |

Hazard Symbol

Safety Information

Grade

Laboratory

|                       |                                               |   |           |            |
|-----------------------|-----------------------------------------------|---|-----------|------------|
| <b>Specification:</b> |                                               |   |           |            |
|                       |                                               |   |           |            |
|                       | Description & appearance                      |   | Conforms  |            |
|                       | Appearance of solution                        |   | Conforms  |            |
|                       | Assay (Stearic acid)                          |   | 40 - 60   | %          |
|                       | Assay (Sum of stearic acid and palmitic acid) | ≥ | 90        | %          |
|                       | Acid value (Identification)                   |   | 194 - 212 | mg KOH / g |
|                       | Residue on ignition                           | ≤ | 0.1       | %          |
|                       | Fats and fixed oils (Iodine value)            | ≤ | 4         | g / 100 g  |
|                       | Color of solution                             |   | Conforms  |            |
|                       | Acidity                                       |   | Conforms  |            |
|                       | Freezing point                                |   | 64-69     | °C         |
|                       | Moisture                                      | ≤ | 0.5       | %          |

| Ordering code | 500 g           | 5 kg            | 10 kg | 20 kg | 20 kg |
|---------------|-----------------|-----------------|-------|-------|-------|
| P.E.          | 467.05.00500.02 | 467.05.05000.02 |       |       |       |
| Glass         |                 |                 |       |       |       |