



Product name:

**Ammonium sulfate**

**Synonyms:** Mascagnite

**CAS number:** 7783-20-2

|                             |                                                       |                                                      |
|-----------------------------|-------------------------------------------------------|------------------------------------------------------|
| <i>General information:</i> |                                                       |                                                      |
|                             | <b>Chemical formula:</b> $(\text{NH}_4)_2\text{SO}_4$ | <b>Molar Mass:</b> 132.14 g/mol                      |
|                             | <b>Appearance:</b> Colorless crystals                 | <b>Density:</b> 1.77 g/cm <sup>3</sup> (20 °C)       |
|                             | <b>Solub. in water:</b> 754-764 g/l (20 °C)           | <b>Melting point:</b> >280 °C (decomposition)        |
|                             | <b>Bulk density:</b> 850 kg/m <sup>3</sup>            | <b>pH value :</b> 4.5– 6.0 (H <sub>2</sub> O, 25 °C) |
|                             | <b>Storage temp.:</b> +5°C to +30°C                   | <b>Cautions:</b> No Dangerous good                   |
|                             | <b>R:</b> 8-22-36/37/38-42/43                         | <b>S:</b> 22-24-26-37                                |
|                             | <b>HS-No.:</b> 3105 10 00                             | <b>EC Number:</b> 231-984-1                          |

Hazard Symbol

Safety Information

Grade

Laboratory

|                       |   |          |   |  |
|-----------------------|---|----------|---|--|
| <b>Specification:</b> |   |          |   |  |
| Assay                 | ≥ | 98.5     | % |  |
| Description           |   | Conforms |   |  |
| Solubility            |   | Conforms |   |  |
| pH (5%) @25°C         |   | 4.5-6    |   |  |
| Heavy metals (as Pb)  | ≤ | 0.002    | % |  |
| Chloride (Cl)         | ≤ | 0.003    | % |  |
| Iron (Fe)             | ≤ | 0.002    | % |  |
| Sulphated Ash         | ≤ | 0.05     | % |  |

| Ordering code | 25 g | 50 g | 250 g           | 500 g | 1000g           |
|---------------|------|------|-----------------|-------|-----------------|
| P.E.          |      |      |                 |       | 497.05.01000.02 |
| Glass         |      |      | 497.05.00250.01 |       |                 |