



Product name:

**Ammonium nitrate**

**Synonyms:** Nitric acid ammonia, Ammonia nitrate

**CAS number:** 6484-52-2

|                             |                                                   |                                                 |
|-----------------------------|---------------------------------------------------|-------------------------------------------------|
| <i>General information:</i> |                                                   |                                                 |
|                             | <b>Chemical formula:</b> $\text{NH}_4\text{NO}_3$ | <b>Molar Mass:</b> 80.04 g/mol                  |
|                             | <b>Appearance:</b> White solid                    | <b>Density:</b> 1.72 g/cm <sup>3</sup> (20 °C)  |
|                             | <b>Solub. in water:</b> 1920 g/L (20 °C)          | <b>Melting point:</b> 169 °C                    |
|                             | <b>Boiling point:</b> 210 °C (15.0 hPa)           | <b>pH value:</b> 4.0 - 6 (5% ,H <sub>2</sub> O) |
|                             | <b>Storage temp.:</b> +2 °C to +30 °C             | <b>Cautions:</b> Oxidizing                      |
|                             | <b>R:</b> -                                       | <b>S:</b> -                                     |
|                             | <b>HS-No.:</b> 3105 10 00                         | <b>EC-Index-No.:</b> 229-347-8                  |

Hazard Symbol



Safety Information

Grade

Laboratory

|                       |   |         |     |  |
|-----------------------|---|---------|-----|--|
| <i>Specification:</i> |   |         |     |  |
| Assay                 | ≥ | 98      | %   |  |
| Solubility            |   | Conform |     |  |
| Chloride              | ≤ | 50      | ppm |  |
| Sulfate               | ≤ | 0.01    | %   |  |
| Iron                  | ≤ | 10      | ppm |  |
| Insoluble Matter      | ≤ | 0.05    | %   |  |
| pH                    |   | 4.0-6.0 |     |  |
| Heavy metals          | ≤ | 10      | ppm |  |

| Ordering code | 1 kg            | 2.5 kg | 5 kg | 10 kg | 20 kg |
|---------------|-----------------|--------|------|-------|-------|
| P.E.          | 560.05.01000.02 |        |      |       |       |
| Glass         |                 |        |      |       |       |