



AMONYUM BICARBONATE

Art. 51921

Also known as powdered ammonia, this substance is a mildly basic inorganic compound—generally referred to as ammonium hydrogen carbonate.

It is a mildly alkaline inorganic compound widely used as a reagent in industrial and laboratory research.

Applications:

- Used in fire extinguishing compounds and cleaning products
- Used in cough syrups and in the pharmaceutical industry
- In baking powder formulations
- In the production of ceramics and pigments
- As a reagent in the chemical industry
- In fertilizer manufacturing
- In the plastics, leather, and rubber industries
- In lime and gypsum removers
- As a leavening agent for baked goods
- As a degreasing agent in the textile industry
- In the food sector, used in the production of cocoa powder to create an alkaline environment and to release carbon dioxide

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Product Properties:

- Melting/Freezing Point: 107°C
- Appearance/Structure/Odor: White crystalline powder with a slight ammonia odor
- Solubility: 24.8 g / 100 ml in water (25°C)
- Purity: 99.5%
- pH: 7.8
- Density: 1.58 g/cm³
- Molecular Weight: 79.06 g/mol
- Molecular Formula: NH₄HCO₃
- E Code: E503
- Shelf Life: 2 years when stored under recommended conditions
- Storage Conditions: Keep tightly closed in cool (below 27°C), dry, and well-ventilated areas, protected from physical damage
- Packaging Weight: 5–25 kg

The information provided on this page is based on our current knowledge and may be updated as technologies and/or industrial developments evolve.

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