

# AMMONIUM BICARBONATE



CAS Number:1066-33-7

Other Names: Ammonium bicarbonate, Ammonium hydrogen carbonate,  
Mon ammonium carbonate

Formula:  $\text{NH}_4\text{HCO}_3$

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## PRODUCT INTRODUCTION

Ammonium bicarbonate is an inorganic salt with formula  $(\text{NH}_4)\text{HCO}_3$ . It appears as a white crystalline solid and it readily degrades into carbon dioxide, water and ammonia. It is freely soluble in water. Ammonium bicarbonate is commonly used in food industry,

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## PHYSICAL AND CHEMICAL PROPERTIES

Purity as Ammonium Bi-Carbonate by mass	99.13 %
Iron as Fe by mass	0.0003 %
Non- Volatile Matter by mass	ND < 0.01 %
Chloride as Cal by mass	ND < 0.01 %
Sulphate as $\text{SO}_4$ by mass	ND < 0.01 %
Heavy Metal as Lead	ND < 0.5 ppm
Copper as Cu	ND < 1.0 ppm
Arsenic as As	ND < 0.2 ppm
Tarry Matter	Pass

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## APPLICATIONS

- Ammonium bicarbonate is commonly used in food industry as a raising agent for flat baked goods, such as cookies and crackers.
- The stabilizing property of Ammonium Bicarbonate allows maintaining the ideal physicochemical properties in a food; either preserving a food in a homogeneous state or by maintaining / intensifying a color. It is used as leavening agent and also as an acidity regulator
- It is also used in cooling baths; in fire extinguishers; manufacture of porous plastics, ceramics; manufacture of dyes, pigments; in compost heaps to accelerate decomposition; as fertilizer; for defatting textiles; in cold wave solutions; in chrome leather tanning; to remove gypsum from heat exchanges and other processing equipment.

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## PACKAGING OPTIONS

Drums

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