



Tech

Technical Data

80 Metcalfe Street
Buffalo, New York 14206
716-856-2300/fax 716-856-7115

AMMONIUM BICARBONATE TREATED

GENERAL DESCRIPTION:

Ammonium Bicarbonate appears as a white crystal or crystalline powder. It volatilizes rapidly at 60°C, dissociating into ammonia, carbon dioxide, and water, but it is quite stable at room temperature. One gram dissolves in about 6 ml of water. It is insoluble in alcohol.

APPLICATIONS

- ◆ Food
- ◆ Fertilizer
- ◆ Pharmaceuticals
- ◆ Plastic & Rubber
- ◆ Ceramics

PHYSICAL & CHEMICAL PROPERTIES:

- ◆ **Appearance:** White crystalline powder
- ◆ **Odor:** Faint ammonia
- ◆ **Physical State:** Solid
- ◆ **pH (1% solution):** 8.2
- ◆ **Solubility in Water:** 17.4 g/100ml @ 20°C
- ◆ **Molecular Weight:** 79.05

HANDLING & STORAGE:

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Do not get in eyes, on skin, or on clothing.

Storage: Keep container tightly closed. Store in cool, dry areas and away from incompatible substances. Ammonium Bicarbonate reacts with acids to yield carbon dioxide gas which can accumulate in confined spaces. Do not enter confined spaces until they have been well ventilated and carbon dioxide and oxygen levels have been determined to be safe.