Ammonium carbonate

Product Number A9516
Store at Room Temperature

Product Description
CAS Number: 506-87-6
Synonym: Hartshorn

Ammonium carbonate is a mixture of ammonium bicarbonate (formula weight 79.06, Product No. A6141) and ammonium carbamate (formula weight 78.07). It is used in the washing and defatting of wools, the manufacture of rubber products, in fire extinguishers, and the separation of cacao constituents.¹

A high-throughput parallel liquid chromatography/ultraviolet/mass spectrometry (LC/UV/MS) technique for compound screening that incorporates ammonium carbonate has been published.² Ammonium carbonate has been used in the isolation of cell surface proteins from Candida albicans.³ The use of ammonium carbonate in the comparative peptide analysis of equine, bovine, and canine cytochrome c by capillary electrophoresis/mass spectrometry has been described.⁴

The preparation of glycoconjugates via Kochetkov aminations in saturated aqueous ammonium carbonate has been reported.⁵

Precautions and Disclaimer
For Laboratory Use Only. Not for drug, household or other uses.

Preparation Instructions
This product is soluble in water (200 mg/ml), yielding a clear, colorless solution.

References
1. The Merck Index, 12th ed., Entry# 534.

GCY/RXR 5/06