



Knowledge grows

AMMONIUM CHLORIDE

Urine Acidifier (V34992)

Sales specification

Product Properties	Typical Values
Ammonium Chloride	99.5
Nitrogen as N	26
Protein Equivalent	162
Chlorine	66
Moisture	<0.7
Iron	≤ 7 ppm
Arsenic	≤ 1 ppm
Cadmium	≤ 1 ppm
Lead	≤ 2 ppm

Physical Properties	
Appearance	Crystalline, white odourless solid
Density (g/cm ³) at 20°C	1.53/cm ³
Solubility in water at 20°C	374 g/l
Solubility in water at 50°C	504 g/l
pH (200 g/L, t25°C)	pH 4 – 5.8 at 25°C

Identification

Chemical Substances: (NH₄)₂Cl

Synonyms: Sal ammoniac, Ammonia, Hartshorn, Salniac, Ammonium Chloride solution

CAS No. 12125-02-9
EINECS no 235-186-4

Description

AMMONIUM CHLORIDE is an odorless, white powder or white crystals highly soluble in water. AMMONIUM CHLORIDE is prepared commercially by combining ammonia (NH₃) with either hydrogen chloride (gas) or hydrochloric acid (water solution).

Nutritive value

Feed Grade AMMONIUM CHLORIDE is a feed additive for various animals such as lambs, cows, cats and dogs. Ammonium chloride is a urine acidifier that is used to treat metabolic alkalosis, dissolve certain types of urinary stones (struvite stones), treat certain toxicities, or increase the effectiveness of certain antimicrobials.

Recommended use / application

AMMONIUM CHLORIDE is an odorless, white powder or white Ammonium chloride can be added to the diets of male lambs fed high concentrate diets such as in feedlots, to effectively reduce the pH of the urine to prevent urinary calculi. Add 5 kg ammonium chloride to a ton of feed. AMMONIUM CHLORIDE can be added to the diets of cats and dogs to effectively reduce the pH of the urine to prevent urinary calculi. The effective minimum dose will depend on the anion-cation ratio of the diet.

Classification, labelling and packaging

AMMONIUM CHLORIDE is packed in 25 kg polypropylene bags.

Handling and storage

AMMONIUM CHLORIDE should be stored under cover in a dry place to ensure a shelf life of at least 2 years.

Transport and transport regulation

AMMONIUM CHLORIDE is non flammable and not classified as hazardous under transport regulations.



Yara Animal Nutrition

www.yara.com/animal-nutrition
animal.nutrition.sa@yara.com

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