

Ammonium Chloride

ammonium chloride | CAS 12125-02-9

Product identification

Product name	Ammonium Chloride
Chemical name	Ammonium chloride
CAS number	12125-02-9
EC number	235-186-4
PubChem CID	25517
Molecular formula	NH ₄ Cl
Molecular weight	53.49 g/mol
InChIKey	NLXLAEXVIDQMFP-UHFFFAOYSA-N
Material type	Analytical chemical / laboratory reagent

Material description

Ammonium Chloride is an inorganic ammonium salt supplied by Rexar as an analytical chemical for laboratory and technical applications. It is typically a white or colourless crystalline solid and is readily soluble in water.

Intended use

For laboratory, analytical, chemical, reagent-preparation, quality-control and research applications. Not for human or animal consumption. Not intended for food, supplement, cosmetic, medical, diagnostic or therapeutic use.

Reference characteristics

Structural class	Inorganic ammonium chloride salt
Typical physical form	White or colourless crystalline solid
Density	Approximately 1.52 g/cm ³
Water solubility	Approximately 383 g/L at 25 °C
Thermal behaviour	Sublimes/decomposes on strong heating; approximately 338 °C at atmospheric pressure
Storage guidance	Keep tightly closed and dry. Store away from incompatible materials and excessive heat.

Analytical use and traceability

Lot-specific purity, assay, impurities and analytical acceptance criteria must be taken from the applicable supplier documentation or certificate of analysis.

Safety note

Ammonium chloride has a harmonised EU CLP classification as Acute Toxicity Category 4 (oral) and Eye Irritation Category 2: H302 Harmful if swallowed and H319 Causes serious eye irritation. Use appropriate laboratory protective equipment and follow the applicable supplier SDS.

Identity verification note

Identity verified against PubChem/Fisher/NIST reference data and ECHA: CAS 12125-02-9, EC 235-186-4, PubChem CID 25517, NH₄Cl, 53.49 g/mol, InChIKey NLXLAEXVIDQMFP-UHFFFAOYSA-N.

Document control

Document	Rexar Technical Compound Datasheet
Revision	10 September 2026
Status	Reference information; not a certificate of analysis

Disclaimer

This document is provided for chemical identification and laboratory reference purposes. It does not certify batch purity or replace lot-specific analytical or safety documentation.