

GENERAL QUALITY DATA SHEET

Ammonium Chloride [Reagent Grade] ChemElements™

CAS No.	12125-02-09	NH₄Cl
EC No.	235-186-4	
Tariff No.	2827 10 00 00	
Material number:	90121020*	

Typical properties

Molecular weight:	53,49
Melting point:	335°C (decomposition)
Solubility in water:	372 g/l (20°C)
Specific gravity:	1,53 g/cm ³ (25°C)
Appearance:	White fine crystalline powder

Quality: GOST 3773-72 [Reagent Grade]

1. Assay (NH ₄ Cl):	≥99,0%
2. Water-insoluble matter:	≤0,002%
3. Residue after ignition (in the form of sulfates):	≤0,01%
4. Nitrates, chlorates and other oxidizing agents (NO ₃):	≤0,0005%
5. Sulfates (SO ₄):	≤0,002%
6. Phosphates (PO ₄):	≤0,0010%
7. Iron (Fe):	≤0,0003%
8. Calcium (Ca):	≤0,001%
9. Magnesium (Mg):	≤0,001%
10. Arsenic (As):	≤0,00001%
11. Heavy metals (Pb):	≤0,0002%
12. pH 5% solution:	4,5-5,5
13. Organic substances:	Passes test

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Standard packing

- *25 kg three-layer paper brown craft bag with polyethylene inliner (50 µm);
- *25 kg polypropylene bag (60 g/m²) with polyethylene inliner (50 µm).

Available on request

*Other customer-specific packing, quality parameters

Shelf life

3 years

Storage recommendation

Store in covered, dry warehouses in original tightly closed packaging.

Application

- Analytical Chemistry;
- Production of dyes, explosives;
- Manufacture of galvanic cells, dry batteries;
- Soldering and tinning of steel products with flux.

Certification

FSSC 22000:2013, ISO 9001:2015, Kosher, Halal MUI

Hazards Identification

Pictogram:



Signal Word:

Hazard Statements:

Precautionary statements:

WARNING
H302 Harmful if swallowed.
H319 Causes serious eye irritation.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.



ChemElements – the alternative producer of high purity mineral salts located in Europe. Raw materials for food, pharmaceutical, feed, agriculture, and technical applications



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Transport Information

UN number:	Not dangerous goods
UN proper shipping name:	Not dangerous goods
Transport hazard class(es)	
Land transport (ADR/RID):	Not classified as dangerous in the meaning of transport regulations
Air transport (IATA):	Not classified as dangerous in the meaning of transport regulations
Sea transport (IMDG):	Not classified as dangerous in the meaning of transport regulations
Packaging group:	Not dangerous goods

Production

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Sales

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This data sheet is for information purposes only and is based on observations of our standard product. It does not release the user from any obligation to test the material and determine suitability for each application.