

## Novichem Co.

Your Chemical Partner

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# AMMONIUM CHLORIDE

## CAS #: 12125-02-9

### DESCRIPTION

**Ammonium Chloride** ( $\text{NH}_4\text{Cl}$ ) is a technical inorganic salt which is odorless, highly water-soluble and in white crystalline powder form which can be hazardous in its solid or fume form.

**Ammonium Chloride** is primarily used as a component in fertilizers, which is the main application for a high percent of global production of the chemical.

### TECHNICAL SPECIFICATIONS

Appearance	: White powder
$\text{NH}_4\text{Cl}$	: 99.5 %
Iron, as $\text{Fe}_2\text{O}_3$	: <0.05 %
$\text{SO}_3$	: 0.61 %
Cl	: 65.88 %
$\text{Na}_2\text{O}$	: <0.05 %
Solubility in Water	: Soluble
Packing	: 25 kg plastic bags on pallets or inside big bags

### APPLICATIONS

**Ammonium Chloride** is used in wide range of industrial applications mainly as a nitrogen source in fertilizers. Some of the other uses are:

- Ingredient in fireworks, safety matches and contact explosives
- Dry battery cells
- Metal galvanizing
- Mining (Recovery of noble metals)
- Welding fluxes
- Textile (Fabric Stamping)
- Chemical industry (Manufacture of various ammonia compounds)

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