

AMMONIUM CHLORIDE

Ammonium Chloride 25-0-0

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1. Product Description

Ammonium chloride (NH_4Cl) is a nitrogen fertiliser supplying its nitrogen entirely in ammonium form, together with chloride. It is a lower-cost nitrogen source for crops that tolerate chloride, and the standard nitrogen fertiliser for rice across much of Asia. Supplied in bulk, bulka bags or bagged from 10 MT, delivered Australia-wide and shipped worldwide, with a Certificate of Analysis and Safety Data Sheet against the batch supplied. Ammonium Chloride Specification The declared analysis and supply detail are set out below. Nitrogen content varies slightly by grade — a Certificate of Analysis is issued on request against the batch you actually receive, and that certificate governs. Product name Ammonium Chloride Chemical formula NH_4Cl CAS No. 12125-02-9 Product family Straight nitrogen fertiliser Declared analysis (N–P–K) 25–0–0 (grade dependent) Total nitrogen (N) 25% — confirmed on the Certificate of Analysis Nitrogen form Ammonium Phosphorus (as P_2O_5) 0% Potassium (as K_2O) 0% Chloride Present — not for chloride-sensitive crops Physical form Confirmed on your quotation Packaging Bulk, one-tonne bulka bag or bagged — confirmed on your quotation Minimum order 10 – 25 MT, depending on the product and the destination Availability Australia-wide delivery; international shipping on request Certificate of Analysis Issued on request against your delivered batch Safety Data Sheet Available on request — request it before handling Where Ammonium Chloride Is Used Rice The classic use. In flooded soil, nitrate nitrogen is lost rapidly through denitrification, so a fertiliser that supplies nitrogen as ammonium rather than nitrate keeps more of it available to the crop. Ammonium chloride is used at scale in rice production for exactly this reason. Coconut, oil palm and other chloride-responsive crops These crops not only tolerate chloride, they respond to it. Supplying nitrogen and chloride together suits them well. Wheat and other chloride-tolerant field crops Where chloride is not a problem and the price per unit of nitrogen is competitive, it does the same job as any other ammonium nitrogen source. Where a lower-cost nitrogen source is wanted Ammonium chloride typically sits below urea in cost per tonne but carries less nitrogen, so the comparison that matters is cost per unit of N delivered to your gate. Ask us for both and compare them properly. The Chloride Limits Where It Can Go Ammonium chloride carries a large amount of chloride — considerably more, per unit of nitrogen, than any other common nitrogen fertiliser. That rules it out for a specific list of crops and situations. Do not use on chloride-sensitive crops: potatoes, tobacco, grapes, citrus, berries, avocados and many vegetables. Use ammonium sulphate or urea instead. Watch total salt on saline soils and where irrigation water is already salty. It acidifies soil as the ammonium nitrifies, much as ammonium sulphate does. Useful on alkaline ground, a cost on acidic ground. Monitor pH with regular soil tests and lime when the test calls for it. Send us the soil test and the crop and we will say plainly whether this is the right nitrogen source for that paddock — on a good number of Australian soils it is not, and we would rather tell you before you buy it. Ammonium Chloride, Urea or Ammonium Sulphate? Product Nitrogen Also carries Choose it when Ammonium Chloride About 25% Chloride Rice, coconut, oil palm and other chloride-tolerant crops Urea 46-0-0 46% — Lowest cost per unit of N, and you can water it in Ammonium Sulphate 21% Sulphur Sulphur is short as well, or chloride is unacceptable Ammonium Chloride — Common Questions How much nitrogen does it supply? Around 250 kg of nitrogen per tonne at a 25% grade. Nitrogen content varies slightly between grades, so check the Certificate of Analysis for the batch you receive. Why use it on rice instead of urea? In flooded soil, nitrogen that converts to nitrate is lost quickly through denitrification. Ammonium chloride supplies ammonium nitrogen, which is held in the soil and stays available to the crop. Which crops must not receive it? Chloride-sensitive crops — potatoes, tobacco, grapes, citrus, berries, avocados and many vegetables. The chloride load is high, so this matters more here than with muriate of potash. Is it the same as the ammonium chloride used in industry? The same compound, but grades differ. Fertiliser grade is specified for nutrient content; industrial and pharmaceutical grades are specified for purity and cost more. Tell us the use and we will quote the right grade. Does it lower soil pH? Yes, like other ammonium fertilisers. That helps on alkaline soils and hurts on acidic ones. Test and lime accordingly. Packing and Quantities Ammonium Chloride is supplied in bulk, in 1,000 kg and 500 kg bulka bags, and in 50 kg and 25 kg bags. Minimum order is 10–25 MT, depending on the product and the destination. Packing formats, 20ft container loading figures, and bagging and marking are set out in full on our Delivery & Freight page. Handling and Storage Store Ammonium Chloride dry, off the ground and out of direct weather. Full handling and storage guidance is on the Delivery & Freight page. Request the Safety Data Sheet before handling Ammonium Chloride. Ask for it with

your enquiry and we will supply it. A Certificate of Analysis for your delivered batch and the Safety Data Sheet are both available on request. Where a Certificate of Analysis is issued for a batch, that certificate governs. Ammonium Chloride 25-0-0 Data Sheet Technical Data Sheet — Ammonium Chloride 25-0-0 Letterheaded PDF: declared analysis, nutrient loading, packing formats, container loading and handling. View it in your browser or save a copy. View data sheet Download PDF A Certificate of Analysis for your delivered batch and the Safety Data Sheet are both available on request. The analysis in the data sheet is the nominal specification; where a Certificate of Analysis is issued for a batch, that certificate governs. Enquire About Ammonium Chloride Minimum order 10–25 MT · delivered Australia-wide · shipped worldwide We do not sell online and take no payment through this website. Tell us the tonnage, the packing format and the delivery address, and we will send you a written quotation covering product and freight. Request a quote Call 0420 129 507 WhatsApp

2. Declared Analysis and Specification

Product name	Ammonium Chloride 25-0-0
Product code	AMMONIUM-CHLORIDE-25-0-0
Product family	Ammonium Chloride
Declared analysis (N–P–K)	25–0–0
Total nitrogen (N)	25%
Phosphorus (as P_2O_5)	0%
Potassium (as K_2O)	0%
Total nutrient content	25% (25 units)
Elemental phosphorus (P)	0%
Elemental potassium (K)	0%
Nutrient supplied per tonne	250 kg N · 0 kg P_2O_5 · 0 kg K_2O
Physical form	Crystalline / granular
Water solubility	Soil-applied granular product
Packaging	Bulk, one-tonne bulka bag or bagged — confirmed on your quotation
Minimum order	10 – 25 MT , depending on the product and the destination — confirmed on your quotation
Availability	Australia-wide delivery; international shipping on request
Certificate of Analysis	Issued on request against your delivered batch
Safety Data Sheet	Available on request — request it before handling

3. Nutrient Loading

One tonne of Ammonium Chloride 25-0-0 supplies **250 kg of nitrogen (N)**, **0 kg of phosphate (P_2O_5)** and **0 kg of potash (K_2O)**. Total nutrient content is 25 units per 100 kg.

Rate applied	N supplied	P_2O_5 supplied	K_2O supplied
50 kg/ha	12.5 kg/ha	0 kg/ha	0 kg/ha
100 kg/ha	25 kg/ha	0 kg/ha	0 kg/ha
150 kg/ha	37.5 kg/ha	0 kg/ha	0 kg/ha
200 kg/ha	50 kg/ha	0 kg/ha	0 kg/ha
250 kg/ha	62.5 kg/ha	0 kg/ha	0 kg/ha

Indicative conversion only. Application rates must be set against a current soil test and confirmed with a qualified agronomist.

4. Typical Application

Vegetative growth and topdressing

This is a straight nitrogen product. It drives canopy and tiller development rather than root establishment or grain fill, so it belongs in the part of the season where leaf area is what limits yield — cereal topdressing, pasture, forage and leafy vegetables.

Ammonium nitrogen supplied with chloride. Not suited to chloride-sensitive crops; the chloride content must be accounted for in the program.

5. Packing and Quantities

Format	Net weight	Typically used for
25 kg bag	25 kg	Small holdings, trial quantities, hand or small spreader application
50 kg bag	50 kg	Standard bagged supply for general farm and horticultural use
500 kg bulka bag (FIBC)	500 kg	Loader or telehandler handling where a full tonne is too much
1,000 kg bulka bag (FIBC)	1 tonne	The standard broadacre unit — one bag, one lift
Bulk	By the tonne	Tipped or augered into your bin or spreader; lowest cost per tonne

Minimum order is 10 - 25 MT depending on the product and the destination. Exact packing and tonnage are confirmed on your quotation.

6. Container Loading (20ft FCL)

Packing	Loading method	Units per 20ft	Net weight
25 kg bags	Floor loaded (loose stacked)	1,000 bags	25 MT
25 kg bags	Palletised, 40 bags per pallet, shrink-wrapped	20 pallets / 800 bags	20 MT
50 kg bags	Floor loaded (loose stacked)	500 bags	25 MT
50 kg bags	Palletised, 20 bags per pallet, shrink-wrapped	20 pallets / 400 bags	20 MT
500 kg bulka bags	Floor loaded, two tiers	40 – 50 bags	20 – 25 MT
1,000 kg bulka bags	Floor loaded, single tier	20 – 25 bags	20 – 25 MT
Bulk	Loaded into a container liner bag	—	25 – 27 MT

Fertiliser is a dense cargo: a 20ft container reaches its weight limit at roughly 25-27 tonnes while still only part full, so a 40ft box offers no usable gain. Shipping in 20ft containers is standard and is normally the cheaper freight per tonne.

7. Handling and Storage

Store dry, off the ground and out of direct weather. Nitrogen and ammonium-based fertilisers are hygroscopic: they draw moisture from the air and will cake or set hard if left exposed. Keep bags closed until use, rotate stock, and do not stack beyond the height the packaging is rated for. Avoid contamination with other chemicals.

Request the Safety Data Sheet for this product before it is handled. The SDS covers hazard classification, personal protective equipment, first aid and spill response, and it must be accessible to everyone who handles, transports or stores the product.

8. Supply and Documentation

Minimum order	10 - 25 MT, depending on product and destination
Delivery	Australia-wide - every state and territory
Export	International shipping worldwide, quoted per container
Certificate of Analysis	Issued on request against your delivered batch
Safety Data Sheet	Available on request
How to order	Enquiry and written quotation only - no online ordering or payment

Payment	Bank transfer only - EFT within Australia, T/T (telegraphic transfer) for export. Terms are stated on your quotation.
Bank details	Issued on our invoice only. We never change account details by email alone - verify by phone before transferring funds.
Enquiries	info@naturesfertilizerptyltd.com 0420 129 507

Disclaimer. The analysis stated in this data sheet is the nominal specification for this product. It is not a guarantee of the composition of any particular consignment. Where a Certificate of Analysis is issued for a delivered batch, that certificate governs and takes precedence over this document. This data sheet is technical product information and is not agronomic advice; fertiliser selection and application rates depend on soil type, moisture, crop, rotation and season, and should be confirmed with a qualified agronomist. This document is not a Safety Data Sheet.