

## Ammonium Nitrate 5-7 Grade Australia - OMSP

### Description

Ammonium Nitrate 5-7 Grade is a low density porous prilled grade of ammonium nitrate specifically formulated for use as an oxidizer in blasting agents.

### Key Benefits

- A physically robust porous prill with a built in resistance to breakdown due to temperature cycling and abrasion.
- Its consistent bulk density and free flowing, low dust characteristics ensure reproducible collar heights and accurate operation of explosives mixing equipment.

### Safety Features

Ammonium Nitrate 5-7 Grade is a strong oxidizing substance, which will react with organic materials, reducing agents and metal powders. Whilst not combustible on its own, Ammonium Nitrate 5-7 Grade supports combustion and increases the intensity of a fire.

Ammonium Nitrate 5-7 Grade is not readily detonated in unconfined conditions, but will react with materials such as strong reducing agents and metal powders.

When heated to decomposition, Ammonium Nitrate 5-7 Grade produces nitrous oxide and white ammonium nitrate mist and or brown fumes. Brown fumes indicate the presence of toxic oxides of nitrogen

### Packaging

Ammonium Nitrate 5-7 Grade is available in bulk and 1200kg single loop FIBC bags.

### Technical Properties

Total nitrogen by mass	34.0 % minimum
Ammonium Nitrate Content	99.0 % minimum
Free flowing bulk density	0.76 to 0.82 g/cm <sup>3</sup>
Solution pH (10 % solution at 20°C)	4.5 – 5.5
Oil Absorption	6.0% minimum
Moisture (w/w)	0.20 % maximum
Prill Sizing: >2.5 mm	Less than 2% w/w
<1.0 mm	Less than 2% w/w
Total organic carbon (w/w)	Not more than 0.2 %

### Storage and Handling

#### Product Classification

Authorised Name:	Ammonium Nitrate 5-7 Grade
Correct Shipping Name:	Ammonium Nitrate
UN No.	1942
Classification Code:	5.1 (oxidizing substance)
Packaging Group:	III
Hazchem Code:	1Y

This product is classified as a Hazardous Chemical and a Dangerous Good. All regulations pertaining to the handling and use of such oxidizing substances apply.

#### Storage and Transport

Ammonium Nitrate 5-7 Grade in bulk and FIBC's should be stored in a cool, well ventilated area, away from sources of heat or ignition and incompatible materials. It should be kept dry.

Ammonium nitrate stores are required to meet certain minimum standards and in most cases require licensing as per local regulations. Reference should be made to the appropriate standards/regulations of the country or local jurisdiction for the storage and handling of oxidizing substances.

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Ammonium nitrate is required to be transported in strict accordance with the UN publication "Recommendation on the Transport of Dangerous Goods - Model Regulations" and the "International Maritime Dangerous Goods Code".

In Australia it must also be in accordance with the current edition of the "Australian Code for the Transport of Dangerous Goods by Road and Rail". Special requirements may be required for movement across wharves in some jurisdictions and countries.

Specific local regulations may apply relating to security controls for this product including security clearance and licensing of individuals and organisations involved in the Chain of Responsibility for ammonium nitrate.

Further information is available on the Safety Data Sheet for Ammonium Nitrate.

### Disposal

Disposal of strong oxidizing substances can be hazardous. Methods for safe disposal of oxidizing substances may vary depending on the user's situation. Please contact a local Orica representative for information on safe practices.

### Disclaimer

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Explosives based on Ammonium Nitrate such as Ammonium Nitrate 5-7 Grade may react with sulphide materials in the ground and create potentially hazardous situations. Orica accepts no responsibility for any loss or liability arising from

use of the product in ground containing sulphide or other reactive material.

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### Emergency Telephone Numbers

Within (Country): 1800 033 111

Outside (Country): 61 3 9663 2130