

**Product name:** Porous Prill Ammonium Nitrate u.n.no.: 1942  
**Class:** 5.1 oxidizing agent packaging go: 25/100/1200kgs p.w.b  
**Producer:** Tianji coal chemical industry group co., ltd address: Zhonghua East Street, Lucheng, Shanxi, China

### Identification

**Product name:** Porous Prill Ammonium Nitrate  
**Other names:** Ammonium Saltpeter Nitric Acid, Ammonium Salt  
**Molecular formular:** NH<sub>4</sub>NO<sub>3</sub>  
**Uses:** General chemical, explosives manufacturer, fertiliser  
**Appearance, odour:** Odourless white crystalline solid or Prills.  
**Solubility:** Soluble in water and ethanol

### Typical Specifications

**Content:** 99.5% min  
**Moisture:** 0.2% max  
**Ph value (in 10% an solution):** 4 min  
**Bulk density (g/cm<sup>3</sup>):** 0.76 – 0.84  
**Particle size (0.5-2.5mm):** 90% min  
**Oil absorption:** 8%

### Health Hazard Information

No adverse health effects expected if the product is handled in accordance with this safety data sheet and the product label symptoms that may arise if the product is mishandled are:

Acute effects:

**Swallowed:** swallowing can result in nausea, vomiting, gastric irritation, headaches and dizziness.

**Eye:** an eye irritant

**Skin:** contact with skin may result in irritation. Exposure to molten material may cause skin burns. Can be absorbed through cut, broken or burnt skin with resultant toxic effects.

**Inhaled:** inhalation of dust may result in respiratory irritation. Blasting may produce a toxic brown gas of nitrogen dioxide. Inhalation of gas may result in chest discomfort, shortness of breath and possible pulmonary oadema, the onset of which may be delayed.

### Delivery

Avoid contacting combustibles. Be far away from heat sources. Notice ventilation. Water supply equipment should be sound. Prevent the package from damage and contaminants. Handle with care when loaded or unloaded.

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### Storage and Transportation

Classified as a 5.1 dangerous substance for the purpose of transport. Refer to relevant regulations for storage and transport requirements.

Not to be loaded with class 1/class 2.1/class 2.3/class 3/class 4.1/class 4.2/class 4.3/class 5.2/class 6/class 7/class 8/class 9.

Platinum Blasting Services PTY LTD  
ABN 67 600 020 488  
Level 12, 500 Queen St Brisbane QLD 4000  
**Emergency telephone number: 1800 885 411**

Store in a cool, well ventilated area, away from sources of heat or ignition. Store away from possible contaminants and combustible materials.

Keep containers and adjacent areas cool with water spray. If safe to do so, remove containers from path of fire. A major fire may involve a risk of explosion in the event of contamination or strong confinement. An adjacent detonation may also involve the risk of explosive.

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### Disclaimer

Information contained in this material data sheet is believed to be reliable but no representation, guarantee or warranties of any kind are made as to its accuracy, suitability for a particular application or results to be obtained from them. It is up to manufacturer/buyer to ensure that the information contained in the material safety data sheet is relevant to the product manufactured/handled or purchased by him as the case may be. Phoenix Blasting Services Pty Ltd. makes no warranties expressed or implied in respect of the adequacy of this document for any particular purpose.