

SAFETY DATA SHEET

GRUNPRO™ Ant Bait (Field Application)

1. IDENTIFICATION

Product Identifier / Trade Name	: GRUNPRO Ant Bait
Other Means of Identification	: Orthoboric Acid Pellets (Boric Acid Pellets)
Recommended Use	: Insecticide for ant species that prefer protein diet.
Local Supplier & Address	: Gruntek International (S) Pte Ltd 50 Ubi Avenue 3, #04-011 Frontier Singapore 408866
Telephone Number / Telefax Number	: +65 6844 5593 / +65 6844 5592
For Support, Please Contact	: Mr. Glenn Chung / Customer Service +65 9754 0891 / +65 6844 5593 glenn@gruntek-intl.com / enquiry@gruntek-intl.com

2. HAZARDS IDENTIFICATION

This product is non-hazardous to the environment and generally considered to be safe for use in ant treatment. There are no adverse effects on human beings and non target organisms if small amounts are consumed but consumption of large amounts may cause stomach ache and diahorrea.

Classification	: No classification suggested.
GHS Label Elements	: Not applicable.

3. COMPOSITION ON INGREDIENTS

Chemical Identification	: Boric Acid
Chemical Family	: Inorganic Compounds
Chemical Name (IUPAC)	: Trihydroxidoboron
Chemical Formula	: H ₃ BO ₃
Molecular Mass	: 61.83
CAS Number	: 10043-35-3
Purity	: 2.00 % w/w
Petroleum Distillates (Determined as Non-hazardous)	: Up to 100.00 % w/w The exact concentration composition has been withheld as proprietary information.

4. FIRST AID MEASURES

This product is unlikely to present any hazard to the user. In case of an accident or if feeling unwell, seek medical advice. Show label and/or safety data sheet to the doctor in charge.

If Inhaled	: Remove subject to open air. If the subject stops breathing, administer artificial respiration. Seek medical advice immediately if necessary.
If Contact with Skin	: Remove contaminated clothing and wash affected areas with plenty of water and soap. If irritation persists, seek medical advice immediately.

- If Contact with Eyes** : Remove contact lenses if possible. Flush eyes with plenty of water for 15 minutes. If irritation persists, seek medical advice immediately.
- If Ingested** : Seek medical attention immediately. Induce vomiting only if indicated by the doctor. Do not give anything by mouth to an unconscious person.
- Guide to Physicians** : Symptomatic treatment should be administered.

5. FIRE-FIGHTING MEASURES

- Suitable Extinguishing Media** : CO₂, Dry Chemical or Foam.
- Unsuitable Extinguishing Media** : None established.
- Special Exposure Hazards in a Fire** : Not applicable.
- Special Instruction for Fire-fighting** : An inherent fire retardant.
Fire fighters to assess the cause of fire and react accordingly.

6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions** : Avoid contact with spilled material or contaminated surfaces.
- Environmental Precautions** : Keep children and animals away.
- Methods for Cleaning Up** : Sweep or vacuum thoroughly.
Collect waste thoroughly into marked containers.
Flush area with soap and water.
All waste must be properly processed via certified waste disposal companies.

7. HANDLING AND STORAGE

- Safe Handling Conditions** : When handling product, do not eat, drink or smoke.
Wash hands and exposed skin before meals and after work.
- Storage Conditions** : Avoid dust formation.
Keep in a dry and well-ventilated place at low temperature.
- Special Storage Conditions** : Keep away from children and unauthorized personnel, food, animal feed, and alkaline materials.
- Incompatible Substances** : Sensitive to alkalis.
- Recommended Packaging Material** : HDPE bottles or iron drums with PVF coating recommended.
- Packaging Material to be Avoided** : None established.
- Supplier Packaging** : 200 g HDPE bottles or 1 kg PET bottles.
- Shelf Life** : At least 3 years if properly packed and stored.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Limit Values for Workplace Air

- STEL/TWA/IDLH**
- | | | |
|------|---|-------------------|
| STEL | - | None established. |
| TWA | - | None established. |
| IDLH | - | None established. |

Personal Protective Equipment

- Respiratory Protection** : Not required.
- Hand Protection** : Not required but if necessary wear suitable chemical resistant PVC or nitrile (300mm) gloves.
- Eye Protection** : Wear safety glasses.
- Skin Protection** : Not required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	: Solid
Colour	: Light to dark brown coloured pellets
Odour	: None established.
pH	: 6.5 – 7.0
Boiling Point	: None established.
Melting Point	: None established.
Flash Point	: None established.
Flammability	: Non-flammable at room temperature.
Auto-flammability (Ignition Point)	: None established.
Decomposition Temperature	: None established.
Explosive Limit	: Not applicable.
Vapour Pressure	: None established.
Vapour Density	: None established.
Relative Density	: None established.
Solubility in Water	: Not applicable.
Solubility in Other Solvents	: Not applicable.
Partition Coefficient: n-octanol / water	: None established.
Viscosity	: None established.

10. STABILITY AND REACTIVITY

Reactivity	: None established.
Chemical Stability	: Stable under recommended storage and handling conditions.
Possibility of Hazardous Reactions	: The substance does not have hazardous reactions under normal conditions.
Conditions to Avoid	: Avoid excessive heat.
Incompatible Materials	: Strong oxidizing and alkaline agents.
Hazardous Decomposition Products	: None established.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity - LD₅₀ Oral (Rat)	: Based on WHO Calculation guidelines >10,000.00 mg/kg
Acute Toxicity - LD₅₀ Dermal (Rabbit)	: Based on WHO Calculation guidelines >10,000.00 mg/kg
Inhalation LC₅₀ (Rat)	: None established.
Eye (Rabbit)	: Non-irritant.
Skin Irritation (Rabbit)	: Non-irritant.
Skin Sensitization (Guinea Pig)	: Non-sensitizing.
Effects on Humans	: Non-carcinogenic. Non-mutagenic. Non-teratogenic. Non-toxic to reproduction.

12. ECOLOGICAL INFORMATION

Ecotoxicity	: None established.
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Persistence & Degradability	: Degradable by microorganisms present in soil and water.
Bio-Accumulative Potential	: None established.
Mobility	: None established.

13. DISPOSAL CONSIDERATIONS

Product Disposal	: Product to be processed at an approved waste disposal facility. Advice may be obtained from the local waste regulatory authorities.
Container Disposal	: Puncture container to avoid re-use. Licensed disposal or incineration methods based on local codes of practice and law.

14. TRANSPORT INFORMATION

Road & Rail Transport (ADR)

UN Number	: Not applicable.
Class	: Not applicable.
Hazchem Code	: Not applicable.
Proper Shipping Name	: Boric Acid, Non-hazardous.
Packing Group	: Not applicable.
Additional Information	: Product is non-regulated and deemed as non-hazardous material by the international shipping standards.

Sea & Air Transport (IMDG & IATA)

UN Number	: Not applicable.
Class	: Not applicable.
Hazchem Code	: Not applicable.
Proper Shipping Name	: Boric Acid, Non-hazardous.
Packing Group	: Not applicable.
Additional Information	: Product is non-regulated and deemed as non-hazardous material by the international shipping standards.

15. REGULATORY INFORMATION

This product is non-hazardous to the environment. No requirement to indicate risk or safety phrases on packing.

16. OTHER INFORMATION

Updated : 01 April 2016

This article is as accurately as possible complied with the best of Gruntek's knowledge at the time documentation. Each user should read this SDS and consider the information in the context of how the material will be handled and used in the workplace including in conjunction with other products. If clarification of further information is needed to ensure an appropriate risk assessment, the user should contact Gruntek.

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. No warranty is expressed or implied regarding the accuracy and completeness of the data. As such, Gruntek cannot be held liable for any injury or economic loss. Users are further reminded of the possible risks of using this material for any other purposes than those for which it was intended. The above information can be utilized only for meeting regulatory norms in regard to handling and labelling advice.

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