

MATERIAL SAFETY DATA SHEET

This product is harmful if swallowed. It is a designated Hazardous Substance according to the criteria of Worksafe Australia

This revision issued: March 2008

1. IDENTIFICATION OF CHEMICAL PRODUCT AND COMPANY

Product name: **Antout[®]** GRANULAR INSECTICIDE

Poison Schedule: S5
Recommended use: insecticide for external control of ants around houses and gardens.
Supplier: PCT International Pty Ltd
Address: Unit 1/ 74 Murdoch Cct, ACACIA RIDGE QLD 4110
Telephone: (07) 3711 7022
Fax: (07) 3711 7055
Website: www.pct.au.com
Contact: David Pearson
Emergency telephone No: 1800 630 877

2. COMPOSITION of/ INFORMATION on/ INGREDIENTS

Ingredients	CAS No	Proportion
Chlorpyrifos	2921-88-2	50g/kg
Other inert ingredients		950g/kg

3. HAZARDS IDENTIFICATION

Risk Phrases: R21/ 22 Harmful in contact with skin and if swallowed.

Safety Phrases: S20 When using, do not eat or drink.
S24/ 25 Avoid contact with skin and eyes.

SUSDP Classification: S5

ADG Classification: none allocated

UN Number: none allocated

4. FIRST AID MEASURES

General Information: In cases of suspected poisoning (swallowed or inhaled), or of skin burning/ irritation caused by exposure to this product, call the Poisons Information Centre on **131126**. Have this MSDS available when you call.

Inhalation: Moderate inhalation hazard. Breathing the dust may cause throat irritation. First aid is not generally required.

Skin Contact: Low dermal toxicity, although prolonged repeated contact may cause skin reddening. If irritation does occur, wash with lukewarm flowing water for 5 minutes or until chemical is fully removed. If in doubt, obtain medical advice.

Eye Contact: Mild, transient eye irritation may follow exposure. In this case, flush the eyes with lukewarm flowing water for at least 5 minutes until the product is fully removed. Obtain medical advice if the eye becomes painful, or if the irritation lasts more than a few minutes.

Ingestion: If swallowed, do not induce vomiting. Wash mouth with water, and seek immediate medical attention. If instructed, give one Atropine tablet every 5 minutes until dryness of the mouth occurs.

Symptoms: Symptoms of acute exposure may include numbness, tingling sensations, incoordination, headaches, dizziness, tremor, nausea, abdominal cramps, sweating, blurred vision, breathing difficulty and slow heartbeat. Very high doses may result in unconsciousness, incontinence and convulsions.

5. FIRE FIGHTING MEASURES

Fire and Explosion Hazards: This product does not constitute an explosion risk under normal circumstances if it is involved in a fire.

Fire Extinguisher type: This product is not combustible. Use extinguishing media suited to the burning materials.

Fire Fighting Procedures & Precautions: This material does not burn, but decomposition byproducts may be irritating if inhaled.

Hazardous Decomposition Products: Carbon Monoxide, Oxides of Phosphorous and other Phosphorous compounds, Hydrogen Chloride and other Chlorine compounds.

Flash Point: Not applicable- the material does not burn.

Flammability Class: Does not burn.

6. ACCIDENTAL RELEASE/ SPILLS MEASURES

Dealing with spills has the potential to increase the risk of personal exposure- during such operations, ensure that protective clothing is worn as detailed below. Avoid contact with spilled material or contaminated surfaces. Keep people and animals away. Prevent spillage from entering drains, sewers or watercourses. If contamination thereof is unavoidable, warn the local water authority. Spills should be contained and absorbed with soil, sand, sawdust, clay, cat litter or other similar material, and once absorption is complete, this material then be placed in sealable, labeled, drums for safe disposal in an approved landfill, and in accordance with the requirements of local or State Waste Management Authorities. Alternatively, bury under at least 500^{mm} of soil in an area away from crops, pastures, homes or water sources. To decontaminate spill area, tools and equipment, wash with a suitable solution, e.g. organic solvent, detergent, bleach or caustic, and add this material to the drums of waste already collected. Label all contents. Do not burn empty containers or product.

7. HANDLING AND STORAGE

Handling:	Keep exposure to this product to a minimum and avoid breathing dust from the product.
Storage:	This product is a scheduled poison- observe all relevant regulations regarding transport and storage of this class of poison. Store product in original, closed containers in a dry, cool, well ventilated, secure area out of direct sunlight. Store away from seeds, fertilizers, animal and human foodstuffs. Keep out of reach of children.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Exposure Limits:	TWA - 0.2 mg/m ³	STEL – not set.
Ventilation:	No special ventilation requirements are necessary for this product, but ensure that airborne product dust is minimized.	
Eye Protection:	Protective glasses or goggles are recommended when using this product.	
Skin Protection:	Make sure all skin is covered when using the product by wearing impervious PVC gloves, cotton overalls buttoned to the neck and wrists, washable hat and impervious boots.	
Respirator:	A suitable dust mask is recommended when there is a chance that airborne product dust might build up in the area where Antout is being used.	

9. PHYSICAL & CHEMICAL PROPERTIES

Physical Description:	Off-white granulated solid.
Odour:	Mild mercaptan odour.
Specific Gravity:	No data available.
Water Solubility:	Practically insoluble in water.
Volatility:	No data available.
Odour Threshold:	No data available.
Evaporation Rate:	No data available.

10. STABILITY & REACTIVITY

Reactivity:	This product is unlikely to react or decompose under normal conditions of storage or use.
Conditions to Avoid:	None known.
Incompatibilities:	None known.
Fire Decomposition:	Carbon Monoxide, Oxides of Phosphorous and other Phosphorous compounds, Hydrogen Chloride and other Chlorine compounds.
Polymerisation:	This product is unlikely to undergo any polymerization process.

11. TOXICOLOGICAL INFORMATION

Toxicity:	Persons with respiratory or liver ailments are at increased risk from exposure to chlorpyrifos. There may be delayed symptoms beginning at 1 to 4 weeks after an acute exposure. This may produce symptoms including numbness, tingling, weakness and cramping of the lower limbs, and may progress to incoordination and paralysis. Recovery may occur over months or years,
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although it is possible for some residual impairment to remain. Plasma cholinesterase levels have been shown to be inhibited when chlorpyrifos particles are inhaled.

Oral LD₅₀ rat 95-270 mg/kg

Dermal LD₅₀ rat >2000 mg/kg

Chronic Toxicity: Repeated or prolonged exposure to organophosphates may produce the same effects as for acute exposure, including the delayed symptoms. Cholinesterase inhibition has been observable in long term tests on rats and mice, but no other adverse effects were noted. Cholinesterase levels recovered when the experimental feeding was discontinued, with no other long term health effects.

Carcinogenic status: No ingredient is classified as carcinogenic by the NOHSC.

12. ECOLOGICAL INFORMATION

Effects on Birds: Chlorpyrifos is highly toxic to birds

Effects on Aquatic Organisms: Chlorpyrifos is very highly toxic to freshwater fish, aquatic invertebrates, and marine organisms.

Environmental Persistence

& Degradation: Chlorpyrifos is moderately persistent in soils, with a half-life which can range from 2 weeks to over a year, depending on soil type, climate and moisture levels. Chlorpyrifos is less persistent in soils with a higher pH value. Adsorbed Chlorpyrifos is subject to degradation by UV light, chemical hydrolysis and by soil microbes. It is relatively insoluble in water and adheres strongly to soil particles. It is unlikely to leach into or contaminate groundwater.

13. DISPOSAL CONSIDERATIONS

Dispose of empty, used containers by triple rinsing, or preferably pressure rinsing. Dispose of the rinsate in a disposal pit away from desirable plants and their roots and from watercourses. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return cleaned containers to a recycler or designated collection point. If not recycling, break, crush or puncture empty containers and bury in a local authority landfill. If no landfill available, bury the containers at least 500^{mm} deep in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

14. TRANSPORT INFORMATION

ADG Code: This product is not classified as dangerous goods for transport purposes.

15. REGULATORY INFORMATION

APVMA Approval No: 45227/0501

16. OTHER INFORMATION

This MSDS contains only safety-related information. For other data, see product literature.

The above information is correct and accurate to the best of our knowledge. However, no warranty, expressed or implied, is made as to its accuracy or completeness of data herein. Further research and investigation may be required for your particular use of this product.

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