

Material Safety Data Sheet

ANT-OUT GRANULAR INSECTICIDE

This Product is Harmful in Contact with the Skin and if Swallowed. It is Classified as a Hazardous Substance by the National Occupational Health & Safety Commission

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IDENTIFICATION

Product Name:	Antout Granular Insecticide
Other Names:	Chlorpyrifos
UN No.	Not Applicable
Dangerous Goods Class:	Not Applicable
Hazchem Code;	Not Applicable
Poison Schedule:	S6
Use:	Organophosphate insecticidal ant bait

Physical Description/Properties:

Appearance:	Powder
Melting Point:	42-43degrees C
Vapour Pressure:	2.5mPa
Solubility in Water:	2mg/L
Odour:	Slight Mercaptan odour

Ingredients:

Chemical Name:	CAS No.:	Proportion
Chlorpyrifos	2921-88-2	50 g/Kg
Other Ingredients: Inert		950 g/Kg

HEALTH HAZARD INFORMATION

Health Effects:	The active ingredient is a cholinesterase inhibitor, moderately toxic by ingestion, inhalation or by absorption through the skin, eyes and mucous membranes. Chlorpyrifos is an active inhibitor of plasma cholinesterase. It has only moderate capacity to reduce red blood cell cholinesterase or cause cholinergic symptoms and little capacity to cause systemic injury. However, the relatively low quantity of chlorpyrifos present in this product considerable reduces any toxic hazard.
Acute:	Acute symptoms of poisoning usually appear within 15-60 minutes after swallowing.
Swallowed:	Moderately toxic. Harmful if swallowed.
Eye:	Mild, transient eye irritation may follow eye contact.
Skin:	Low toxicity via the dermal route. Prolonged repeated skin contact may cause slight reddening. Acute derma LD50 rabbit = 2000mg/kg, (chlorpyrifos).

Inhaled:	Moderate inhalation hazard. Breathing the dust may cause throat irritation normally, but if present in high concentrations or as particles, it may be capable of causing a mild depression in plasma cholinesterase. Acute poisoning symptoms usually appear within 30 minutes after inhalation.
Chronic:	Chronic exposure to organophosphates may be cumulative in that repeated exposures in a short space of time can reduce cholinesterase levels faster than it can be regenerated to the point where a small exposure can precipitate an acute poisoning.
Threshold Limit Value:	Time weighted average - 0.20mg/m ³ (skin)
First Aid:	A Poisons Information Centre 13 11 26 or a doctor should be consulted in every case of suspected chemical poisoning. Never give fluids or induce vomiting if a patient is unconscious or convulsing regardless of cause of injury.
Swallowed:	Seek immediate medical attention. Give patient large volumes of water to drink. Induce vomiting using Ipecac Syrup (APF) if available. Repeat until vomit is clear. Keep patient quiet, in a dark place if possible. Give one atropine tablet every 15 minutes until dryness of the mouth occurs.
Eye:	Flush eyes with plenty of water for at least 15 minutes. If eye irritation persists seek medical attention.
Skin:	Remove contaminated clothing and wash skin thoroughly with soap and water for at least fifteen minutes. If symptoms of poisoning occur, give atropine tablets as above and get to a Doctor or hospital quickly.
Inhaled:	Remove from source of vapour to fresh air. If breathing stops then start artificial respiration. In severe cases, where medical advice is not immediately available, administer atropine tablets as above.
First Aid Facilities:	Normal workplace First Aid Facilities plus Ipecac syrup and atropine tablets.
Advice to Doctor:	Organophosphates inactivate plasma cholinesterase. This causes a rise in the level of the neurotransmitter acetylcholine. The resultant symptoms are those of parasympathetic over activity. Organophosphate intoxication may be confirmed by a reduced serum cholinesterase level. On account of the rapidity of the clinical course, serious cases of suspected poisoning should be treated with urgency, without waiting for the results of the cholinesterase determination.

PRECAUTIONS FOR USE

Exposure Standards:	Chlorpyrifos - The exposure limit is expressed as a time weighted average (TWA) concentrating over an 8 hour working shift, for a 5 day working week, and is the limit recommended by the ACGIH, (TLVs for 1989-1990) Skin notation. This refers to the potential contribution to the overall exposure by the cutaneous route including mucous membranes of the eye, either by airborne, or more particularly by direct contact with the substance. This attention calling designation is intended to suggest appropriate measures for prevention of cutaneous absorption so that the threshold limit is not invalidated
Health Surveillance:	
Flammability:	Not combustible or flammable

Personal Protection:

- Eyes: Eye protection should be worn when splashing is possible. Wear splash proof goggles or a full face shield. Consult AS 1336 and 1337. If product in eyes, wash it out immediately with water.
- Clothing: When opening the container and preparing spray wear cotton overalls buttoned to the neck and wrist. Wear a washable hat. Consult AS 2919. If clothing becomes contaminated with product, or wet with spray remove clothing immediately. If product or spray gets on skin, immediately wash area with soap and water.
- Gloves: Avoid contact with the skin. Wear gauntlet style chemical protective gloves made of rubber or neoprene PVC. Inspect regularly for leaks. Consult AS 2161.
- Respiratory: Do not breathe vapour/spray/fumes. Use an organic-chemical cartridge respirator when working in poorly ventilated areas or where there is potential for spray mist, splashing or vapours. Consult AS 1715.
- Other: Do not eat, drink or smoke until after washing. Wash thoroughly after handling. After each days use wash personal protection equipment, including gloves, goggles or face shield, respirator face piece and contaminated clothing.

SAFE HANDLING INFORMATION

- Storage and Transport: Store in tightly sealed original containers in a dry, cool, well ventilated, secure area, away from sources of heat or ignition. Store away from fertilisers, seed, feed and food. Keep out of reach of children, unauthorised persons and animals.
- Not classified as dangerous goods according to the Australian Code for the Transport of Dangerous Goods by Road or Rail.
- Spills and Disposal: In the case of spillage contain spilled material and dispose of waste as indicated below or according to the Australian Standard 2507 - Storage and Handling of Pesticides. Wear prescribed protective clothing and equipment. Keep out animals and unprotected persons. Keep material out of streams and sewers. Vacuum or shovel waste into an approved drum. To decontaminate spill area, tools and equipment, wash with a suitable solution (i.e. organic solvent, detergent, bleach or caustic) and add the solution to the drums of wastes already collected. Label for contents. Dispose of drummed wastes, including decontamination solution, in accord with Avcare guidelines. Do not discharge into drains.
- Dispose of empty, used containers by triple rinsing or, preferably pressure rinsing. Add the rinsate to the spray tank or dispose of the rinsate in a disposal pit away from desirable plants and their roots and watercourses. DO NOT dispose of chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm 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.

Fire/Explosion Hazard: Not flammable. Rapid decomposition of the active ingredient occurs at temperatures greater than 160 degrees C resulting in the formation of hazardous decomposition products. Intact containers exposed to excessive heat should be cooled with water.

OTHER INFORMATION

This product is a registered agricultural chemical with the Federal Department of Primary Industry & Energy's National Registration Authority. A comprehensive package of toxicological and environmental data for the active ingredients is held by the federal health and environment authorities. This data has been evaluated by expert, independent toxicologists and environmental scientists.

ALWAYS READ THE PRODUCT LABEL BEFORE USE. FOLLOW ALL DIRECTIONS FOR USE, LABEL WARNINGS AND SAFETY DIRECTIONS.

Contact Point

Ph: 1800 630 877

Date: June 2000

The information above 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 maybe required for your particular use of this product.

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