

MATERIAL SAFETY DATA SHEET



PCT International Pty Ltd

ABN 44 101 170 923

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TARGET[®] dust

This product is harmful if swallowed. It is not a Hazardous Substance according to the criteria of the National Occupational Health & Safety Commission.

1. IDENTIFICATION OF THE PRODUCT AND THE MANUFACTURER

Product Name: TARGET dust
Product Code: none
Product Use: A ready-to-use insecticidal dusting powder.
Poison Schedule: exempt
Supplier: PCT International Pty Ltd
ABN: 44 101 170 923
Street Address: Unit 1 / 74 Murdoch Circuit, ACACIA RIDGE QLD 4110
Telephone: + 61 7 3711 7022
Facsimile: + 61 7 3711 7055

Emergency telephone No: 1800 630 877

MSDS Creation Date: 11th November 2009

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Formulation Type: Solid insecticidal powder

Ingredients	CAS NO.	Concentration
Permethrin 25:75	52645-53-1	10g/kg
Other ingredients(Mineral talc carrier)	(non-hazardous)	990g/kg

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3. HAZARDS IDENTIFICATION

Emergency Overview

Physical Appearance

Form: Solid (as a fine dust)
Colour: White
Odour: almost odourless
Water Solubility: Insoluble
pH: n/a

Potential Health Effects

Eyes: Slightly irritating to the eyes
Skin: May cause slight irritation
Ingestion: May be slightly toxic based on acute animal studies.
Inhalation: May be slightly irritating.
Primary Routes of Entry: Eyes, Skin, Inhalation, Ingestion
Target Organs: Eyes, Skin, Respiratory Tract, Digestive System
Carcinogenicity: Not listed by NTP, IARC, ACGIH or OSHA as a carcinogen

4. FIRST AID MEASURES

Eyes: Flush eye(s) for 15 minutes or more- If irritation persists, consult a doctor (preferably an eye specialist) and show this MSDS.
Skin: Remove any contaminated clothing. Wash affected areas immediately and thoroughly with soap and water.
Ingestion: Rinse mouth and then drink plenty of water. Do not induce vomiting. If swallowed seek medical advice and show this MSDS.
Inhalation: Remove affected person from site of exposure to fresh air until recovered. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Seek medical attention if symptoms persist.
First Aid Facilities: If poisoning occurs, contact a doctor or Poisons Information Centre on **13 11 26** (Australia).
General Advice: Remove contaminated clothing immediately.
Information for doctor: There is no known antidote – treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point: n/a.
Autoignition Temperature: Not applicable.
Explosion Limits: Not applicable.
Suitable Extinguishing Media: Foam, carbon dioxide, dry powder, water spray,
By-products in case of Fire: In the event of a fire hydrogen chloride can be released.
Further Information: Keep unnecessary persons away from the area. If safe to do so, remove intact containers. Collect contaminated firefighting water separately, by bunding the area with sand or earth. Fire control water must not be discharged into drains.
Special Protective Equipment for Firefighters: As in any fire, water, self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Methods for Cleaning Up/ Taking Up:

Spills: 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

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material or contaminated surfaces. Keep people and animals away. Sweep up spilt product into resealable containers, labeled, and take 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

Advice on safe

Handling:

Keep out of reach of children. Avoid contact with eyes and skin. Wash hands after use, and before smoking or eating / drinking. Wash protective gear and clothing after each day's use.

Advice on protection against fire and explosion:

Not flammable- no special measures required.

Storage information:

Keep product in the original container, tightly closed, in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

General protective Measures:

Avoid contact with eyes and skin
Do not inhale dusts.

Hygiene Measures:

No smoking, eating or drinking allowed when using this product.
Wash hands before breaks and at end of work shift.
Protective ointment is recommended.

Respiratory

Protection:

In case of formation of airborne dusts, use an approved cartridge respirator.

Hand Protection:

Elbow length PVC gloves should be worn when using this product.

Eye Protection:

Safety goggles and/or face shield is recommended when using this product.

Protective clothing:

Cotton overalls buttoned to the neck and wrist, and a washable hat, are required when using this product.

Engineering Controls:

Use in a well ventilated area only. Good general (mechanical) ventilation should be sufficient to control airborne mist levels.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

White powder

Odour:

No discernable odour.

Solubility in Water:

Insoluble in water.

Melting Temperature:

not measured

10. STABILITY AND REACTIVITY

Conditions to avoid:

None with proper storage and handling, other than avoid iron, alloys, oxidizers, strong acids and halogens..

Thermal

Decomposition:

Not measured, although if involved in a fire, the formation of hydrogen chloride can be expected

Hazardous reactions:

No hazardous reactions with proper storage and handling

Hazardous Polymerization:

Unlikely to occur.

Stability:

Stable under normal conditions of storage and use.

Hazardous decomposition products:

None with proper storage and handling.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity - Oral: LD₅₀ (rat) 1479 mg/kg approx.

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Acute Toxicity - Inhalation: LC₅₀ (rat) >2.3mg/m³ exposure time 4h method
Acute Toxicity - Dermal: LD₅₀ (rat) >2000mg/kg
Eye Irritation: (Species - rabbit) slight irritant
Skin Irritation: (Species - rabbit) mild irritant
Skin Sensitisation: (Species - guinea pig) non-sensitising
Note: harmful by inhalation and in contact with skin - irritant to skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity Effects:
Acute Toxicity – Fish: LC₅₀ for rainbow trout is 0.0078 mg/L.
Acute Toxicity – Birds: LD₅₀ for Japanese Quail is >15500mg/Kg
Further ecological information:
Ecological notes: the active, Permethrin, degrades rapidly in soil and water.

13. DISPOSAL CONSIDERATIONS

ALWAYS DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

Product Disposal: In accordance with local authority regulations, take to special waste incineration plant.
Container Disposal: 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, 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

Storage and Transport: Considered non – dangerous goods for transport by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

15. REGULATORY INFORMATION

APVMA Approval No: 46589/1
Risk Phrases: R22 Harmful if swallowed.
Safety Phrases: none allocated.
Poisons Schedule: exempt
Packaging & Labeling: READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Hazard Category
AICS (Australia): Listed on the Australian Inventory of Chemical Substances.

16. OTHER INFORMATION

Contact Person/Point: Mr David Pearson Phone: (07) 3711 7022

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

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