

MATERIAL SAFETY DATA SHEET

Chaindrite Permforce DUST Insecticide

Section 1: Identification of the Product and Company

**Product name:** Chaindrite Permforce DUST Insecticide  
**Other names:** Permethrin dust insecticide  
**Use:** Ready to use insecticide dust containing permethrin, to be used in accordance with the product label.  
**Company name & Contact details** **Sherwood Chemicals Australasia Pty Ltd**  
Address: Level 3, 1060 Hay Street, WEST PERTH 6005 AUSTRALIA  
Emergency Telephone number: All hours +61 421 667972  
**Other information:** All reasonable care has been taken to ensure the information and advice contained in this data sheet is accurate at the time of printing. However, Sherwood Chemicals accepts no liability for any loss or damages suffered as a consequence of reliance upon the information contained herein.  
**MSDS creation date:** Version Number: Chaindrite Permforce DustV02 1<sup>st</sup> May 2014

Section 2: Hazards Identification

**Hazard classification:** This product is **NOT** classified as hazardous according to the criteria of NOHSC Australia.  
~~NOT a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.~~  
**Risk Phrases:** Not Hazardous  
**Safety Phrases:** Not Hazardous

Section 3: Composition / Information on Ingredients

Chemical entity	CAS N <sup>o</sup>	Concentration %
Permethrin	52645-53-1	1
Other non hazardous ingredients	Secret	To 100

This is a commercial product whose exact ratio of components may vary slightly.

Section 4: First Aid Measures

**FIRST AID:**

You should call the Poisons Information Centre if you feel you may have been poisoned, burned or irritated by this product. The number is 13 11 26 from anywhere in Australia and is available at all times. Have this MSDS with you when you call.

**Skin Contact:**

Not considered harmful. If significant skin contact occurs, wash gently and thoroughly with water (use non-abrasive soap if necessary) for 5 minutes or until product is removed.

**Inhalation:**

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No first aid measures normally are required. However, if inhalation has occurred, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.

## **Eye Contact:**

Gently blot or brush product away. Flush contaminated eye(s) with lukewarm, gently flowing water until the product is removed, while holding the eyelid(s) open. Obtain medical advice if irritation becomes painful or lasts more than a few minutes.

## **Ingestion;**

First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

## **ADVICE TO DOCTOR -**

Treat symptomatically

## Section 5: Fire Fighting Measures

### **Fire/Explosion Hazard:**

There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. Only small quantities of decomposition are expected from this product at temperatures normally achieved in a fire. Fire decomposition from this product may be toxic if inhaled. Take appropriate protective measures.

**Extinguishing Media** - Not Combustible. Use extinguishing media suited to burning materials.

**Flash point** - Does not burn.

**Upper Flammability Limit** - Does not burn

**Lower Flammability Limit** - Does not burn

**Autoignition temperature** - Does not burn

**Flammability Class** - Does not burn

## Section 6: Accidental Release Measures

### **Spills**

Wear suitable protective clothing and boots. Prevent spill from entering drains, sewers or any body of water. Sweep up into sealable containers for disposal in accordance with applicable local, state and federal regulations.

## Section 7: Handling and Storage

**Safe handling practices:** Keep out of reach of children. Avoid contact with eyes and skin.

**Storage:** Store product in the closed, original container in a cool, well-ventilated area away from direct sunlight.

**Other information:** Nil

## Section 8: Exposure Controls and Personal Protection

**Exposure standards:** No exposure standard has been assigned by the National Occupational Health and Safety Commission (Worksafe Australia).

**Engineering controls:** Control process conditions to avoid contact. Use local exhaust ventilation.

**Personal Protective Equipment:**

- Eyes:** Avoid contact with the eyes.
- Clothing:** Avoid contact with skin. Wear suitable protective clothing. Protective clothing must be stored separately from private clothing.
- Gloves:** Avoid contact with skin. Wear rubber gloves.
- Respiratory:** Do not inhale dust. Wear an approved respirator to prevent inhalation, if other control measures are inadequate.
- Other:** Wash thoroughly after handling. Do not eat, drink or smoke until after washing. After each day's use wash gloves and contaminated clothing.

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## Section 9: Physical and Chemical Properties

Chemical:	Permethrin powder
Appearance:	White to yellowish powder
Vapour pressure:	Not available
Boiling point:	Not available
Freezing/melting point:	Not available
Density:	Not applicable
Flammability:	Not flammable
pH:	7.5

## Section 10: Chemical Stability and Reactivity Information

Chemical stability:	Stable at normal temperature and pressure
Hazardous polymerisation:	Will not occur.
Conditions to avoid:	Avoid iron, alloys, oxidizers, strong acids and halogens.
Incompatible materials:	Iron, alloys, oxidizers, strong acids and halogens
Hazardous decomposition products:	Not available

## Section 11: Toxicological Information

### POTENTIAL HEALTH EFFECTS

Inhalation of dust may produce respiratory irritation.

Inhalation:	
Skin contact:	Mild irritant to the skin. The material should not be allowed to come into contact with the skin.
Eye contact:	Mildly irritating. The material should not be allowed to contact the eyes.
Ingestion:	The product is of low toxicity.
Other:	None

### Acute toxicity for the Active Ingredient:

Oral toxicity:	LD <sub>50</sub> rat 1479(mg/kg) (Permethrin 25:75 in corn oil)
Dermal toxicity:	LD <sub>50</sub> Rabbit >2000 (mg/kg)
Inhalation toxicity:	LC <sub>50</sub> Rat >2.3(mg/m <sup>3</sup> ) 4 hour in air
Skin irritation:	Mild irritant – rabbit
Eye irritation:	Irritant – rabbit
Sensitisation:	Moderate skin sensitiser – guinea pig

### Chronic:

Permethrin is not mutagenic, teratogenic or carcinogenic. In animal tests permethrin was a moderate skin sensitiser.

## Section 12: Ecological Information

Fish toxicity:	Permethrin is toxic to fish and aquatic organisms
Daphnia toxicity:	Permethrin degrades rapidly in soil and water. Not available
Toxicity to algae:	Not available
Bird toxicity:	Not available

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<b>Bee toxicity:</b>	Permethrin is toxic to bees.
<b>Other:</b>	Permethrin is toxic to reptiles
<b>Environmental fate, persistence and degradation:</b>	Permethrin degrades rapidly in soil and water.

## Section 13: Disposal Considerations

Follow Avcare guidelines. Triple or preferably pressure rinse containers before disposal. Dispose of rinsings in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots. Break, crush or puncture empty containers and bury in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit. Empty containers and product should not be burnt.

## Section 14: Transport Information

<b>UN number:</b>	Not applicable
<b>Proper shipping name:</b>	Not applicable
<b>Class and Subsidiary Risk:</b>	Not "dangerous goods" for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
<b>Packing Group:</b>	Not applicable
<b>EPG:</b>	Not applicable
<b>Hazchem code:</b>	Not applicable

## Section 15: Regulatory Information

<b>Agricultural or veterinary chemicals legislation</b>	This product is registered for use by the APVMA. <b>AUSTRALIA APVMA Registration No. 62664</b>
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## Section 16: Other Information

Emergency Telephone number: All hours Tel: +61 421 667972  
Sherwood Chemicals Australasia Pty Ltd  
Address: Level 3, 1060 Hay Street, WEST PERTH 6005 AUSTRALIA

**MSDS Updated date:** 1<sup>st</sup> May 2014

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Sherwood Chemicals be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Sherwood Chemicals has been advised of the possibility of such damages.*

**END OF MSDS**

READ SAFETY DIRECTIONS BEFORE OPENING  
OR USING



# CHAINDRITE PERMFORCE Dust Insecticide



ACTIVE CONTIITUENT: 10 g/kg PERMETHRIN 25:75

**GROUP 3A INSECTICIDE**

For the control of Cockroaches, Ants, Fleas, Termites, Bedbugs, European Wasps, Spiders  
and other insects in certain situations as per the Directions of Use.

**IMPORTANT: READ THE ATTACHED LEAFLET BEFORE USE**

Contents: 2- 15 kg

APVMA APPROVAL NO: 62664/52573

**Distributed By:**

Sherwood Chemicals Australia Pty Ltd  
Level 3, 1060 Hay St  
WEST PERTH 6005  
AUSTRALIA  
TEL: 08 9219 4683  
FAX: 08 9219 4672

"Sherwood Logo"

#### GENERAL INSTRUCTIONS

CHAINDRITE PERMFORCE dust Insecticide is ready to use, no further diluent be added. Leave powder undisturbed for as long as possible.

#### INSECTICIDE RESISTANCE WARNING

<b>GROUP</b>	<b>3A</b>	<b>INSECTICIDE</b>
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For insecticide resistance management CHAINDRITE PERMFORCE Dust Insecticide is a group 3A insecticide. Some naturally occurring biotypes resistant individuals can eventually dominate the insect population if CHAINDRITE PERMFORCE Dust Insecticide or other group 3A insecticides are used repeatedly. The effectiveness of CHAINDRITE PERMFORCE Dust Insecticide on resistant individuals could be significantly reduced. Since occurrence of resistant individuals is difficult to detect prior to use, Sherwood Chemicals accepts no liability for any losses that may result from the failure of CHAINDRITE PERMFORCE Dust Insecticide may be subject to specific resistance management strategies. For further information, contact your local supplier, Sherwood Chemicals representatives or local agricultural department agronomist.

#### PRECAUTIONS

**AVOID CONTACT WITH FOOD.**

Cover all foodstuffs before application.

**DO NOT** allow dusting powder to contact food, food preparation surfaces or food preparation utensils.

**DO NOT** apply dust directly on humans, exposed food or food utensils.

#### PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND THE ENVIRONMENT

Toxic to bees and reptiles. Harmful to fish.

**DO NOT** contaminate dams, rivers, streams, waterways or drains with the product or the used container.

Remove or cover fish tanks before use.

#### STORAGE AND DISPOSAL

**KEEP OUT OF REACH OF CHILDREN**

Store in the closed, original container in a safe well-ventilated area, as cool as possible. **DO NOT** store for prolonged periods in direct sunlight.

Triple or preferably pressure rinse containers before disposal. Dispose of rinsings in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots.

If recycling, replace cap and return clean containers to recycler or designated collection point.

If not recycling, break, crush or puncture and deliver empty packaging for appropriate disposal to an approved waste management facility. If an approved waste management facility is not available bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. **DO NOT** burn empty containers or product.

#### SAFETY DIRECTIONS

Will irritate the eyes, avoid contact with eyes, do not inhale dust. When opening the container and using the product, wear rubber gloves and specific dust, mist or fume face mask covering mouth and nose. Wash hands after use and after each day's use, wash gloves and contaminated clothing.

#### FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 13 11 26). (New Zealand 03 4747000).

#### MATERIAL SAFETY DATA SHEET

Additional Information is listed in the Material Safety Data Sheet (MSDS). A Material Safety Data Sheet for CHAINDRITE PERMFORCE Dust Insecticide is available from Sherwood Chemicals on request: 089219 4683

#### EXCLUSION OF LIABILITY

Sherwood Chemicals warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with Directions for Use under normal conditions of use. No warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of the product contrary to label instructions or under off-label permits not endorsed by Sherwood Chemicals, or under abnormal conditions.

In a Transport Emergency <b>DIAL 000</b> Police or Fire Brigade
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APVMA APPROVAL NO: 62664/52573

DATE OF MANUFACTURE:

BATCH NO:

**DIRECTIONS FOR USE**

Situation		Target Insects	Rate	Critical Comment
Domestic, Institutional and Industrial Premises	Food preparation & Storage areas	Cockroaches & Silverfish	10 g/m <sup>2</sup> Applied with a powder blower	Blow powder into all cracks and crevices. Pay particular attention to warm, dark corners around cookers, fireplaces, radiators, stores, pipes, rubbish chutes and places where liquid sprays may not be used.
	Living & Sleeping areas	Ants		Sprinkle powder along runs, on and around nests. If ants are invading domestic premises apply powder to the routes by which they enter. Repeat as necessary.
		Fleas and Carpet Beetles		Dust powder over floor, brushing into carpet pile and blowing into areas where flea larvae develop.
		Bedbugs		Apply powder to bedsteads, bedsprings, mattresses, floor coverings, upholstered furniture, cracks in walls, behind torn wallpaper, joins in woodwork and other harbourages.
Roof voids, wall and floor voids, crawl spaces		Cockroaches, Silverfish, Ants, Fleas, Spiders and bird mites ( <i>Ornithonyssus spp</i> )		Blow dust into all void areas, ensuring all surfaces are thoroughly treated. Repeat application if re-infestation occurs. Remove all birds nests and introduce physical bird barriers to prevent reinfestation of bird mites.
Skin and Hide Preparation		Hide Beetles ( <i>Demestes spp.</i> )		a) Place skins on drying racks and apply dust using a manual or motorized duster. b) Dust exposed edges of dried, baled skins.
Mushroom Beds		Mushroom, Sciarid flies		Dust mushroom beds no more than twice a week to control adult and larval flies. Discontinue dusting when mushrooms reach the size of a 10 cent piece.
Seed Potatoes		Potato Moths ( <i>Phthorimaea operculella</i> )	600 g/tonne or 30g/50kg bag of seed potatoes	Dust thoroughly immediately after harvest while filling storage containers.  Treated seed potatoes are to be used only sowing; does not use for food of feed purposes.  Treated seed potatoes are to be stored apart from other potatoes and bags or containers should be clearly marked to identify that the contents have been treated.
Large Wasp Nests		European Wasps	125-250 g per nest	Use hand duster and apply powder through entrance holes (125-250g/nest dependent on size of nest and number of entrance holes)  Treat at night wherever possible. Operators should wear clothing protective against the wasp including long – sleeved overalls buttoned at wrist and throat, gloves, hat and bee – veil.
Bee nests in wall cavities		Feral honey bee		
Tree stumps in urban areas		Subterranean Termites ( <i>Coptotermes spp.</i> )	250 g per tree	Upon locating nest in tree stump, drill 3 holes with a maximum diameter of 12mm. Apply dust directly to the nest using a carbon dioxide gas cylinder and a trigger gun. After treatment holes should be coated carefully with a fungicide, e.g. copper naphenate, and sealed with an appropriate chalking compound.

**NOT TO BE USED FOR ANY PURPOSE, OR ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.**

**WITHHOLDING PERIOD**

Mushrooms: DO NOT HARVEST FOR 3 DAYS AFTER APPLICATION

