

MATERIAL SAFETY DATA SHEET

Permforce DUST Insecticide

Section 1: Identification of the Product and Company

Product name:	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: 6 th April 2009	Version Number: PermforceDustV01

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°	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 Equipment:

Protective

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 ₅₀ rat 1479(mg/kg) (Permethrin 25:75 in corn oil)
Dermal toxicity:	LD ₅₀ Rabbit >2000 (mg/kg)
Inhalation toxicity:	LC ₅₀ Rat >2.3(mg/m ³) 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
	Permethrin degrades rapidly in soil and water.
Daphnia toxicity:	Not available
Toxicity to algae:	Not available
Bird toxicity:	Not available

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Bee toxicity:	Permethrin is toxic to bees.
Other:	Permethrin is toxic to reptiles
Environmental fate, persistence and degradation:	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

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

Section 15: Regulatory Information

Agricultural or veterinary chemicals legislation	This product is registered for use by the APVMA. AUSTRALIA APVMA Registration No. 62664
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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 creation date: 6th April 2009

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END OF MSDS