

# Bayer Environmental Science

## Safety Data Sheet

### Ant & Wasp Dust Ready-to-Use Puffer Pack



Version / NZ

Revision Date: 20.02.2012

#### 1. Identification of the Substance/Mixture and Supplier

Product name: **Ant & Wasp Dust Ready-to-Use Puffer Pack**

Recommended use: A ready-to-use insecticidal dusting powder.

Company details: Bayer New Zealand Limited,  
3 Argus Place,  
Glenfield,  
Auckland,  
New Zealand.

Telephone: 0800 227 012

Facsimile: 0800 227 011

Emergency telephone: 0800 734 607 Orica SH&E Shared services (24hr)

#### 2. Hazards Identification

Hazard classification: Classified as hazardous according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

Classification and type: **HSNO Class\***  
6.5A, 6.5B, 6.9B, 9.1A, 9.4B  
May cause respiratory sensitisation.  
May cause sensitisation from prolonged skin contact.  
May cause organ damage from repeated oral exposure.  
Very toxic to aquatic life.  
Toxic to terrestrial invertebrates.

Risk & Safety Phrases: Not applicable.

#### 3. Composition/Information on Ingredients

Common name: Permethrin 25:75

Synonyms: None

Chemical identity of ingredients:

**Mixture:**

Ingredient	CAS No.	Content (g/kg)
Permethrin 25:75	[52645-53-1]	10
Talc	[14807-96-6]	960
Other ingredients	(non hazardous)	30

#### 4. First Aid Measures

Description of necessary first aid measures: In case of poisoning by any exposure route contact the National Poisons and Hazardous Chemicals Information Centre, PO Box 913, Dunedin. Phone 0800

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	764 766, 0800 POISON.
Workplace facilities:	Provide an eyewash station in the production workplace.
Symptoms:	Burning sensations on the skin, irritation of the mucous membranes, coughing and sneezing may be experienced. Following severe intoxication, respiratory effects can include chest tightness, airway hyperreaction, and pulmonary oedema. Possible circulatory effects include tachycardia, hypotension, and palpitations. Gastrointestinal symptoms may include nausea, vomiting, diarrhoea, and abdominal pain. Potential Central Nervous System effects are dizziness, blurred vision, headache, listlessness, anorexia, somnolence/coma, seizures/convulsions, tremor, and prostration.
Eye:	Rinse immediately with water for at least 15 minutes and seek medical advice.
Skin:	Remove all contaminated clothing and shoes. Wash off skin immediately with soap and plenty of water. Apply vitamin E cream, toilet milks or local anaesthetic creams to reduce irritation if it occurs. Seek medical advice if irritation persists. Launder contaminated clothing before re-use.
Inhaled:	Remove person to fresh air. Keep at rest. Seek medical advice if exposure has been more than trivial. Administer artificial respiration if breathing has stopped.
Ingestion:	Seek medical advice.
Treatment:	<p><u>Treatment</u> Basic aid, decontamination, symptomatic treatment and if necessary administration of antidote.</p> <p><u>Note for physicians</u> Treat large intakes with gastric lavage, and charcoal administration. Use endotracheal intubation, and artificial respiration (if necessary). Monitor respiratory and cardiac functions. Observe electrocardiograph, and check for pulmonary oedema in event of inhalation. Anticonvulsant therapy with diazepam i.v. No antidote known. Treat symptoms. Recovery should be spontaneous. Elimination by: dialysis, haemo-perfusion. Contraindication – adrenergic compounds, atropine. DO NOT confuse with anticholinesterase compounds. Skin contacted by permethrin must be carefully cleaned with cleansing milk. Symptoms can be partially alleviated by the application of a vitamin E or moisturising cream or anaesthetic ointment. For eyes, instil local anaesthetic drops e.g. 1 % amethocaine hydrochloride eye drops. Give analgesics as necessary.</p>
<b>5. Fire-Fighting Measures</b>	
Decomposition:	The product is not flammable but fire will produce hydrogen chloride, carbon monoxide and carbon dioxide gas.
Extinguishing media:	Foam, dry chemical or water spray. Do not use water jet from fire hose.
Recommended protective clothing:	Fire fighters should wear full protective clothing and self-contained breathing apparatus. Do not release contaminated water into the environment. Keep intact containers cool by spraying with water. Keep people away and upwind.

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#### 6. Accidental Release Measures

Personal precautions:	<p><b>Emergency Procedures:</b> Avoid contact with spilled material or contaminated surfaces. When dealing with the spillage do not eat, drink or smoke. Wear suitable personal protection during removal of spillages. This means wearing eye protection, chemically resistant gloves, boots and overalls.</p>
Environmental precautions:	Prevent spillage from entering drains, sewers or watercourses. If contamination of drains, streams, watercourses, etc. is unavoidable, warn the local water authority.
Procedure for spill:	<p>Keep all bystanders away. Wear goggles, half face-piece respirator with combined dust and vapour cartridge, full length clothing and PVC gloves.</p> <p>Contaminated material must be disposed of in accordance with all local authority requirements.</p> <ul style="list-style-type: none"> <li>For quantities up to 50 kg of product bury in a secure approved landfill site.</li> <li>For quantities greater than 50 kg seek advice from the manufacturer (use emergency contact number) before attempting disposal. Contain in a secure location until disposal method is established.</li> </ul> <p>Decontaminate the spill area with detergent and water and rinse with the smallest volume of water practicable.</p>

#### 7. Handling and Storage

Handling practices:	Keep out of reach of children. Avoid contact with skin and eyes. Do not inhale dust.
Conditions for safe storage and store site requirements:	Store in a cool, dry, well ventilated place and protect from sunlight. Avoid temperatures below 0 °C or above 30 °C.
Packaging:	Store in original container, tightly closed, away from foodstuffs.

#### 8. Exposure Control/Personal Protection

Engineering measures:	Control process conditions to avoid contact. Use local exhaust ventilation during manufacture and use.
Respiratory protection:	Do not inhale dust. Where insufficient ventilation, wear a disposable respirator to prevent inhalation.
Eye protection:	Avoid contact with the eyes.
Hygiene measures:	Avoid contact with eyes and skin. Do not inhale dust. Store work clothes and

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street clothes separately. Wash hands before breaks and at the end of work.  
After each day's use, wash gloves and face shield or goggles.

#### 9. Physical and Chemical Properties

Form:	Dustable powder
Colour:	White powder
Odour:	No detectable odour
Melting point:	34 – 35 °C (permethrin)
Vapour pressure:	Negligible
Density:	1.29 (20 °C) (permethrin)
Viscosity:	Not applicable
Solubility in water:	6 x 10 <sup>-3</sup> mg/L (20 °C) (permethrin)
pH:	Not available
Flash point:	Not flammable
Partition coefficient (n-octanol/water)	logP = 6.1 (20 °C) (permethrin)

#### 10. Stability and Reactivity

Stability of the substance:	Stable under normal conditions of use.
Conditions to avoid:	Avoid iron, alloys, oxidisers, strong acids and halogens.
Materials to avoid:	Not available.
Hazardous reactions:	Fire will produce hydrogen chloride, carbon monoxide and carbon dioxide gas.
Hazardous polymerization:	None.

#### 11. Toxicological Information

Acute oral toxicity:	LD <sub>50</sub> rat: 1479 mg/kg (permethrin 25:75 in corn oil)
Acute dermal toxicity:	LD <sub>50</sub> rabbit: > 2000 mg/kg (permethrin)
Acute inhalation toxicity: Inhalation:	LC <sub>50</sub> (4 h) rat: 133 mg/L (product) Inhalation of powder may produce respiratory irritation and sensitisation.

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Skin contact:	May irritate 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 information:	Permethrin is not mutagenic, teratogenic or carcinogenic.

## 12. Ecological Information

Acute fish toxicity:	LC <sub>50</sub> : (96 h) 2.5 µg/L rainbow trout (permethrin)
Bird toxicity:	LD <sub>50</sub> : >9800 mg/kg mallard duck (permethrin 40:60)
Bee toxicity:	LD <sub>50</sub> : (oral) (24h) 0.098 µg/bee; (topical) 0.029 µg/bee
Other:	None.

## 13. Disposal Considerations

Product disposal:	Dispose of this product only by using according to the label, or at an approved landfill, or other approved facility. Avoid contamination of any water supply with product or empty container.
Container disposal:	Dispose of empty container safely. Do not use container for any other purpose.

## 14. Transportation Information

### ADG

UN-Number: 3077  
Class: 9  
Subsidiary Risk: None  
Packaging group: III  
Description of the goods: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (PERMETHRIN MIXTURE)  
Hazchem Code: 2Z

### IMDG

UN-Number: 3077  
Class: 9  
Subsidiary Risk: None  
Packaging group: III  
EmS: F-A , S-F  
Marine pollutant: YES  
Description of the goods: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (PERMETHRIN MIXTURE)

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UN-Number:	3077
Class:	9
Subsidiary Risk:	None
Packaging group:	III
Environm. Hazardous Mark:	YES
Description of the goods:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (PERMETHRIN MIXTURE )
<b>15. Regulatory Information</b>	
HSNO Approval Number:	HSR000272
HSNO Controls (inc. Tracking):	See <a href="http://www.epa.govt.nz">www.epa.govt.nz</a> for full listing of controls.
Approved Handlers required:	This product must be under the control of an approved handler when: a) used by a commercial contractor; or b) applied directly onto or into water.
ACVM Registration:	Not applicable.
ACVM Controls:	Not applicable.
<b>16. Other Information</b>	
6.5A - May cause respiratory sensitisation 6.5B - May cause sensitisation from prolonged skin contact. 6.9B - May cause organ damage from repeated oral exposure. 9.1A - Very toxic to aquatic life. 9.4B - Toxic to terrestrial invertebrates.	

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The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe products in terms of their safety requirements. The above details do not imply any guarantee concerning composition, properties or performance of the product.