

**SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

Product name: **Bayer Advanced Garden® Ant and Wasp Dust Ready-to-use Puffer**

Other names: None

Product code (UVP): 06068847

Recommended use: Insecticide

Chemical formulation: Dustable powder (DP)

Company: Bayer Environmental Science  
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**SECTION 2. HAZARDS IDENTIFICATION**

Emergency Overview	
HAZARDOUS SUBSTANCE	DANGEROUS GOODS
Hazardous classification:	Hazardous (National Occupational Health and Safety Commission - NOHSC)
R-phrases(s):	R43 - May cause sensitization by skin contact.
S-phrases(s):	See sections 4, 5, 6, 7, 8, 10, 12, 13.
ADG Classification:	Not a "Dangerous good" for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. For transport by sea, Bayer Advanced Garden® Ant and Wasp Dust Ready-to-use Puffer is a MARINE POLLUTANT. See Section 14.
SUSMP classification (Poison Schedule):	Exempt (Standard for the Uniform Scheduling of Medicines and Poisons).

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical nature: Permethrin 25:75 10g/L

Chemical Name	CAS-No.	Concentration [%]
Permethrin	52645-53-1	1.06
Talc	14807-96-6	0.88



Other ingredients (non-hazardous) to 100 %		
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**SECTION 4. FIRST AID MEASURES**

**If poisoning occurs, immediately contact a doctor or Poisons Information Centre (telephone 13 11 26), and follow the advice given. Show this Material Safety Data Sheet to the doctor.**

**Inhalation**

Keep patient warm and at rest. If symptoms persist, call a physician. Oxygen or artificial respiration if needed.

**Skin contact**

Take off contaminated clothing and shoes immediately. Wash off thoroughly with plenty of soap and water, if available with polyethyleneglycol 400, subsequently rinse with water. In case of skin irritation, application of oils or lotions containing vitamin E may be considered. If symptoms persist, call a physician. Clean contaminated clothing and shoes before re-use or discard if they cannot be thoroughly cleaned.

**Ingestion**

Rinse mouth. Do NOT induce vomiting. Keep patient warm and at rest. Obtain medical attention.

**Notes to physician****Symptoms**

The following symptoms may occur: Prolonged and repeated contact with skin, eyes or mucous membranes may cause irritation. Burning sensation, cough, sneezing, respiratory disorder, pulmonary oedema, nausea, vomiting, diarrhoea, abdominal pain, salivation, dizziness, blurred vision, headache, anorexia, somnolence, coma, seizures, convulsions, tremors, ataxia, muscular fasciculation.

**Treatment**

Treat symptomatically.

Gastric lavage is not normally required. However, if a significant amount (more than a mouthful) has been ingested, administer activated charcoal and sodium sulphate.

There is no specific antidote.

Monitor: respiratory and cardiac functions.

ECG - monitoring (Electrocardiogram).

Contraindication: atropine.

**SECTION 5. FIRE FIGHTING MEASURES****Suitable extinguishing media**

Foam

Dry powder

Water spray

**Extinguishing media which should not be used for safety reasons**

High volume water jet

**Hazards from combustion products**

In the event of fire the following may be released:

Hydrogen chloride (HCl)

Carbon monoxide (CO)

Carbon dioxide (CO<sub>2</sub>)

**Precautions for fire-fighting**

Wear self-contained breathing apparatus and protective suit.

Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure being built up due to heat.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Whenever possible, contain fire-fighting water by diking area with sand or earth.

**Hazchem Code** 2Z

**SECTION 6. ACCIDENTAL RELEASE MEASURES****Personal precautions**

Use personal protective equipment.

Avoid contact with spilled product or contaminated surfaces.

Keep unauthorized people away.

An emergency shower must be readily accessible to the work area.

**Environmental precautions**

Do not allow to get into surface water, drains and ground water.

If the product contaminates rivers and lakes or drains inform respective authorities.

**SECTION 7. HANDLING AND STORAGE****Handling**

Hygiene measures:

Avoid contact with skin, eyes and clothing.

**Storage**

Requirements for storage areas and containers:

Keep out of the reach of children.

Keep containers tightly closed in a dry, cool and well-ventilated place.

Keep away from direct sunlight.

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Components with workplace control parameters**

Components	CAS-No.	Control parameters	Update	Basis
Permethrin	52645-53-1	10 mg/m <sup>3</sup> (TWA)		OES BCS

**Personal protective equipment - End user**

Respiratory protection: Disposable dust mask.

Hand protection: Rubber gloves.

Skin and body protection: Long-sleeved shirt and long pants.

# Bayer Environmental Science

## Material Safety Data Sheet

### Bayer Advance Garden® Ant and Wasp Dust Ready-to-use Puffer



Version / AUS  
102000014032

Revision Date: 22.01.2012

#### Engineering controls

Advice on safe handling:

Ensure adequate ventilation.

Avoid contact with skin, eyes and clothing.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Appearance

Form:	Powder
Colour:	No data available
Odour:	No data available

#### Safety data

pH:	No data available
Flash point:	No data available
Ignition temperature:	No data available
Upper explosion limit:	No data available
Lower explosion limit:	No data available
Vapour pressure:	No data available
Relative vapour density:	No data available
Density:	No data available
Water solubility:	No data available
Partition coefficient: n-octanol/water:	No data available

## SECTION 10. STABILITY AND REACTIVITY

Materials to avoid:	Iron Oxidizing agents Strong acids Halogenated compounds
Hazardous decomposition products:	Thermal decomposition can lead to release of: Hydrogen chloride (HCl) Carbon oxides

## SECTION 11. TOXICOLOGICAL INFORMATION

#### Potential health effects

Inhalation:	Dusts may cause upper respiratory tract irritation, coughing.
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Skin:	May cause irritation. Avoid contact with skin.
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102000014032

Revision Date: 22.01.2012

Eye:	May cause mild irritation to eyes.
Ingestion:	Low acute oral toxicity.
Acute oral toxicity:	LD <sub>50</sub> (rat): 1479 mg/kg The value mentioned relates to the active ingredient permethrin.
Acute dermal toxicity:	LD <sub>50</sub> (rabbit): > 2000 mg/kg The value mentioned relates to the active ingredient permethrin.
Inhalation toxicity:	LC <sub>50</sub> (3 hr) (mice and rats) >685 mg/m <sup>3</sup> air The value mentioned relates to the active ingredient permethrin.
Skin irritation:	Mild irritant (rabbit). The value mentioned relates to the active ingredient permethrin.
Eye irritation:	Mild irritant (rabbit). The value mentioned relates to the active ingredient permethrin.
Sensitisation:	Not a skin sensitiser. The value mentioned relates to the active ingredient permethrin.

#### Further information

Cutaneous sensations may occur, such as burning or stinging on the face and mucosae.  
However, these sensations cause no lesions and are of a transitory nature (max. 24 hours).

## SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity effects

Toxicity to fish:	LC <sub>50</sub> (Guppy ( <i>Poecilia reticulata</i> )) 0.0076 mg/L Exposure time: 96 h The value mentioned relates to the active ingredient permethrin.
Toxicity to aquatic invertebrates:	EC <sub>50</sub> (Water flea ( <i>Daphnia magna</i> )) 0.00017 mg/L Exposure time: 48 h The value mentioned relates to the active ingredient permethrin.
Toxicity to aquatic plants:	EC <sub>50</sub> ( <i>Selenastrum capricornutum</i> ) 0.497 mg/L Exposure time: 96 h The value mentioned relates to the active ingredient permethrin.

## SECTION 13. DISPOSAL CONSIDERATIONS

Dispose of empty packaging by wrapping in paper, placing in plastic bag and putting in garbage.

## SECTION 14. TRANSPORT 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

According to AU01, Environmentally Hazardous Substances in packagings, IBC or any other receptacle not exceeding 500 kg or 500 L are not subject to the ADG Code.

**IMDG**

UN-Number	<b>3077</b>
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)

**IATA**

UN-Number	<b>3077</b>
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 )

**SECTION 15. REGULATORY INFORMATION**

Registered according to the Agricultural and Veterinary Chemicals Code Act 1994.

Australian Pesticides and Veterinary Medicines Authority approval number: 59282.

See also Section 2.

**SECTION 16. OTHER INFORMATION****Trademark information**

Bayer Advanced Garden® is registered trademark of Bayer.

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.



Changes since the last version are highlighted in the margin. This version replaces all previous versions.

END OF MSDS