

Bayer Environmental Science  
Safety Data Sheet  
Premise® Foam Insecticide



Version 1 / AUS  
102000011452

Revision Date: 21.09.2012

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

Product name: **Premise® Foam Insecticide**  
Other names: None  
Product code (UVP): 06335683  
Recommended use: Insecticide

Chemical formulation: Aerosol dispenser (AE)

Company: Bayer CropScience Pty. Ltd.  
ABN 87 000 226 022  
391-393 Tooronga Road, East Hawthorn  
Victoria 3123, Australia

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Technical Information Service: 1800 804 479  
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Contact: (03) 9248 6888 Technical Manager

Emergency telephone no.: 1800 033 111 Orica SH&E Shared Services

**SECTION 2. HAZARDS IDENTIFICATION**

**Emergency Overview**

<b>NON-HAZARDOUS SUBSTANCE</b>	<b>DANGEROUS GOODS</b>
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Hazardous classification: Non-Hazardous (National Occupational Health and Safety Commission - NOHSC).

R-phrases: None allocated.

S-phrases: See sections 4, 5, 6, 7, 8, 10, 13.

ADG Classification: "Dangerous goods" for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. - 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: Imidacloprid 0.5 g/kg

Chemical Name	CAS-No.	Concentration [%]
Imidacloprid	138261-41-3	0.05
Isobutane	75-28-5	7.50
Other ingredients (non-hazardous) to 100 %		



#### 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 Safety Data Sheet to the doctor.**

##### **Inhalation**

Move to fresh air. In case of respiratory arrest induce breathing with a respiratory device. Seek medical advice. Call a physician or poison control center immediately.

##### **Skin contact**

Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water for at least 15 minutes. Call a physician or poison control center immediately.

##### **Eye contact**

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a physician or poison control center immediately.

##### **Ingestion**

Call a physician or poison control center immediately. Rinse out mouth and give water in small sips to drink. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Do not leave victim unattended.

##### **Notes to physician**

##### **Treatment**

Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended.  
There is no specific antidote.

#### SECTION 5. FIRE FIGHTING MEASURES

##### **Suitable extinguishing media**

Water  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical  
Foam

##### **Precautions for fire-fighting**

Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.  
Keep out of smoke.  
Fight fire from upwind position.  
Cool closed containers exposed to fire with water spray.  
Do not allow run-off from fire fighting to enter drains or water courses.

**Hazchem Code** 2YE



**SECTION 6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions**

Avoid contact with spilled product or contaminated surfaces.  
Isolate hazard area.  
Keep unauthorized people away.

**Environmental precautions**

Apply this product as specified on the label.  
Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark.

**Methods for cleaning up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Collect and transfer the product into a properly labelled and tightly closed container.  
Clean contaminated floors and objects thoroughly, observing environmental regulations.

**Additional advice**

Use personal protective equipment.  
Do not allow to enter soil, waterways or waste water canal.

**SECTION 7. HANDLING AND STORAGE**

**Handling**

Hygiene measures:

Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics.

Advice on protection against fire and explosion:

Keep away from heat and sources of ignition.  
Do not use this product in or on electrical equipment due to the possibility of shock hazard.

**Storage**

Requirements for storage areas and containers:

Keep containers tightly closed in a dry, cool and well-ventilated place.  
BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects.

Requirements for storage areas and containers:

Store in original container and out of the reach of children, preferably in a locked storage area.

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Components with workplace control parameters**

Components	CAS-No.	Control parameters	Update	Basis
Imidacloprid	138261-41-3	0.7 mg/m <sup>3</sup> (TWA)		OES BCS

**Personal protective equipment - End user**

General advice: Eye wash facility and safety shower should be available.



Hand protection:	Elbow-length PVC or nitrile gloves.
Eye protection:	Face-shield or goggles.
Skin and body protection:	Cotton overall buttoned to the neck and wrist. Washable hat.

**Engineering controls**

Advice on safe handling:  
Contents under pressure.  
Ensure adequate ventilation.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance**

Form:	Liquid, clear
Colour:	Colourless
Odour:	Almost odourless

**Safety data**

pH:	5.0 - 7.0 at 10 %
Flash point:	93.3 °C
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:	ca. 1.01 g/cm <sup>3</sup> at 20 °C
Water solubility:	No data available
Partition coefficient: n-octanol/water:	No data available
Viscosity, dynamic:	3 mPa.s at 25 °C

**SECTION 10. STABILITY AND REACTIVITY**

Chemical stability:	Stable under recommended storage conditions.
Conditions to avoid:	Heat, flames and sparks.
Materials to avoid:	No data available.



Hazardous decomposition products:	Thermal decomposition can lead to release of: Hydrogen cyanide (hydrocyanic acid) Carbon oxides Nitrogen oxides (NO <sub>x</sub> )
Thermal decomposition:	No data available.
Hazardous reactions:	No hazardous reactions when stored and handled according to prescribed instructions.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Potential health effects

Inhalation:	Inhalation not likely.
Skin:	Low acute dermal toxicity. May cause slight irritation.
Eye:	May cause eye irritation.
Ingestion:	Low acute oral toxicity.

### Animal toxicity data

Acute oral toxicity:	LD <sub>50</sub> (rat) > 5,000 mg/kg
Acute inhalation toxicity:	Cannot be prepared and tested in a respirable form.
Acute dermal toxicity:	LD <sub>50</sub> (rat) > 5,000 mg/kg
Skin irritation:	Slight irritation (rabbit).
Eye irritation:	No eye irritation (rabbit).
Sensitisation:	Non-sensitizing (guinea pig).

### Assessment mutagenicity

Imidacloprid was not mutagenic or genotoxic based on the overall weight of evidence in a battery of in vitro and in vivo tests.

### Assessment carcinogenicity

Imidacloprid was not carcinogenic in lifetime feeding studies in rats and mice.

### Assessment toxicity to reproduction

Imidacloprid did not cause reproductive toxicity in a two-generation study in rats.

### Assessment developmental toxicity

Imidacloprid did not cause developmental toxicity in rats and rabbits.

### Chronic toxicity

Imidacloprid did not cause any significant specific adverse effects or target organ toxicity in subchronic toxicity studies.

### Assessment neurotoxicity

Imidacloprid showed slight behavioral and activity changes only at the highest dose tested in neurotoxicity studies in rats. There were no correlating morphological changes observed in the neural tissues.



## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity effects

Toxicity to fish:	LC <sub>50</sub> (Rainbow trout ( <i>Oncorhynchus mykiss</i> )) 211 mg/L Exposure time: 96 h The value mentioned relates to the active ingredient imidacloprid.
Toxicity to aquatic invertebrates:	EC <sub>50</sub> (Water flea ( <i>Daphnia magna</i> )) 85 mg/L Exposure time: 48 h The value mentioned relates to the active ingredient imidacloprid.
Toxicity to aquatic invertebrates:	LC <sub>50</sub> ( <i>Chironomus riparius</i> (non-biting midge)) 0.0552 mg/L Exposure time: 24 h The value mentioned relates to the active ingredient imidacloprid.
Toxicity to aquatic plants:	EC <sub>50</sub> ( <i>Desmodesmus subspicatus</i> ) > 10 mg/L Growth rate Exposure time: 72 h The value mentioned relates to the active ingredient imidacloprid.

## SECTION 13. DISPOSAL CONSIDERATIONS

DO NOT incinerate or puncture this can, even when empty. Dispose of can by putting in the garbage, or leaving it at an appropriate metal recycling collection point.

## SECTION 14. TRANSPORT INFORMATION

### ADG

UN number:	1950
Class:	2.2
Subsidiary Risk:	None
Packaging group:	
Description of the goods:	AEROSOLS
Hazchem Code:	2YE

### IMDG

UN number	1950
Class	2.2
Subsidiary Risk	None
Packaging group	
EmS	F-D , S-U
Marine pollutant	NO
Description of the goods	AEROSOLS

### IATA

UN number	1950
Class	2.2
Subsidiary Risk	None
Packaging group	
Environm. Hazardous Mark	NO
Description of the goods	AEROSOLS, NON-FLAMMABLE



#### SECTION 15. REGULATORY INFORMATION

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

Australian Pesticides and Veterinary Medicines Authority approval number: 59345.

See also Section 2.

#### SECTION 16. OTHER INFORMATION

##### Trademark information

Premise® is a registered trademark of the Bayer Group.

This SDS 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 SDS 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.

##### Further details on the Occupational Exposure Standards mentioned in Section 8:

CEILING: Ceiling Limit Value

OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"

PEAK: Exposure Standard - Peak means a maximum or peak airborne concentration of a particular substance determined over the shortest analytically practicable period of time which does not exceed 15 minutes.

STEL: Exposure standard - short term exposure limit (STEL): A 15 minute TWA exposure which should not be exceeded at any time during a working day even if the eight-hour TWA average is within the TWA exposure standard. Exposures at the STEL should not be longer than 15 minutes and should not be repeated more than four times per day. There should be at least 60 minutes between successive exposures at the STEL.

SKIN\_DES: Skin notation: Absorption through the skin may be a significant source of exposure.

TWA: Exposure standard - time-weighted average (TWA): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day working week.

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

Reason for revision: Changed name from Material Safety Data Sheet to Safety Data Sheet.

END OF SDS