

MATERIAL SAFETY DATA SHEET

Confidor® Plant Insecticide

Date of Issue: April 19th, 2007

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND SUPPLIER

Product name: Confidor® Plant Insecticide
Other names: None
Product code: 20442
Recommended use: Home garden insecticide for the control of insect pests
Supplier: Bayer Environmental Science – A Business Group of Bayer CropScience Pty Ltd
ABN 87 000 226 022
Address: 391 - 393 Tooronga Road, East Hawthorn
Victoria 3123, Australia
Telephone: (03) 9248 6888
Facsimile: (03) 9248 6800
Website: www.bayercropscience.com.au
Contact: Technical Manager (03) 9248 6888
Emergency Telephone Number: 1800 033 111 – Orica SH&E Shared Services

2. HAZARDS IDENTIFICATION

NON-HAZARDOUS SUBSTANCE - DANGEROUS GOOD
Highly flammable.

Hazard designation: Not classified as hazardous according to NOHSC
Risk phrases: Not applicable
Safety phrases: Not applicable
ADG classification: Class 2.1
SUSDP classification: Exempt

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	Concentration (g/kg):
Imidacloprid	[138261-41-3]	0.25
Ethanol	[64-17-5]	390
Propane/butane	[74-98-6]/ [106-97-8]	600
Other ingredients (non hazardous)		9.75

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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 a doctor.

- Inhalation:** No information is available. Inhalation of large quantities of the aerosol spray may be harmful. Deliberate inhalation of any aerosol may be fatal. Keep patient under observation.
- Skin contact:** If sprayed on skin wash thoroughly with soap and water.
- Eye contact:** Hold eyes open and wash continuously with clean water for 15 minutes.
- Ingestion:** If sprayed in mouth give patient milk or water.
- First Aid Facilities:** Provide washing facilities in the workplace.
- Symptoms:** Symptoms of intoxication that may arise if the product is mishandled include nausea, abdominal pain and diarrhoea. Muscular cramps, apathetic state, depressed muscular tone, respiratory disturbance and trembling are also possible in severe cases of poisoning.
- Medical attention:** Apply basic aid and decontamination procedures.
Antidote: none known

5. FIRE FIGHTING MEASURES

- Extinguishing media:** Water fog
- Hazards from combustion products:** In the event of fire, the formation of hydrogen chloride, hydrogen cyanide, carbon monoxide and nitrogen oxides must be anticipated. Do not breathe fumes.
- Precautions for fire fighters:** Wear full protective clothing and self contained breathing apparatus. Extinguish any possible sources of ignition if safe to do so.

6. ACCIDENTAL RELEASE MEASURES

Spill from an aerosol is unlikely.

7. HANDLING AND STORAGE

- Handling:** Keep out of reach of children.
- Storage:** Store at normal room temperature. Keep away from naked flame.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Exposure standards:** NOHSC exposure standards have not been assigned for imidacloprid.
Butane: TWA (mg/cubic metre) STEL (mg/cubic metre) 1900
This exposure standard is for an eight hour day. Use of this product in the home garden is for short periods only and, moreover, the level of exposure would be unlikely to reach this level.
- Engineering controls:** Not applicable.
- Personal Protective Equipment:** Personal Protective Measures:
Avoid contact with eyes, skin and clothing. Do not inhale spray mist.
Personal Protective Equipment: not required
Industrial Hygiene:
If clothing becomes contaminated with product or wet with spray, remove clothing immediately. If product or spray on skin, immediately wash the area with soap and water. After use and before eating, drinking or smoking, wash hands thoroughly with soap and water. Do not puncture or incinerate can.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance:** Colourless aerosol
Odour: Slight characteristic odour
Vapour pressure: Not available
Vapour density: Not available
Boiling point: Not available
Freezing/melting point: Not available
Solubility: Not applicable
Density: Not available
pH: Not available
Flash Point: Not available
Flammability (explosive) limits: Not available
Auto-ignition temperature: Not available
Octanol/water partition coefficient: Not available
Formulation: Aerosol

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10. STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of use.
Hazardous polymerisation:	Hazardous polymerization will not occur.
Conditions to avoid:	Do not puncture or incinerate can. Highly flammable. Keep away from naked flame.
Incompatible materials:	Not available
Hazardous decomposition products:	In the event of fire, the formation of hydrogen chloride, hydrogen cyanide, carbon monoxide and nitrogen oxides must be anticipated.

11. TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

No adverse health effects are expected if this product is used in accordance with the label.

Inhalation:	See above
Skin contact:	See above
Eye contact:	See above
Ingestion:	See above
Other:	None

ANIMAL TOXICITY DATA – PRODUCT:

Acute:

Oral toxicity:	LD ₅₀ rat: estimated >5000 mg/kg i.e. practically non-toxic
Dermal toxicity:	LD ₅₀ rat: >5000 mg/kg i.e. practically non-toxic
Inhalation toxicity:	LC ₅₀ (4 h) rat: estimated >10000 mg/m ³ i.e. practically non-toxic
Skin irritation:	Not available
Eye irritation:	Not available
Sensitisation:	Not available

Chronic:

Animal studies have shown no evidence of oncogenic effect, no evidence of carcinogenic effects and no teratogenic potential.

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12. ECOLOGICAL INFORMATION

Do NOT spray any plants in flower while bees are foraging.

Do NOT contaminate ponds, waterways or drains with the chemical or used containers.

Fish toxicity: LC₅₀: 237 mg/L (96 h); golden orfe (*Leuciscus idus melanotis*)
LC₅₀: 211 mg/L (96 h); rainbow trout (*Oncorhynchus mykiss*)

Daphnia toxicity: EC₅₀: 85 mg/L (48 h) *Daphnia magna*

Toxicity to algae: EC₅₀: > 100 mg/L (72 h); green alga (*Pseudokirchneriella subcapitata*)

Bird toxicity: Acute oral LD₅₀: 31 mg/kg; Japanese quail

Acute oral LD₅₀: 152 mg/kg; bobwhite quail

Bee toxicity: Dangerous to bees

Other: None

Environmental fate, persistence and degradation: Imidacloprid shows a medium adsorption to soil. Classified as immobile in soil. Not expected to leach.

13. DISPOSAL CONSIDERATIONS

After intended use:

Aerosol should be completely empty before disposal. Place used can in household rubbish. Do not puncture or incinerate can even when empty.

14. TRANSPORT INFORMATION

UN number: 1950

Proper shipping name: AEROSOLS

Class and 2.1

Subsidiary Risk:

Packing Group: None

EPG: 2D1

Hazchem code: 2Y

15. REGULATORY INFORMATION

Registered according to the Agricultural and Veterinary Chemicals Act 1988

Australian Pesticides and Veterinary Medicines Authority Approval Number: 49394

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16. OTHER INFORMATION

Trademark

information: Confidor® is a Registered Trademark of Bayer

Preparation

information: Replaces October 22nd, 2002 edition.
Reason for update: Correction of imidacloprid CAS No., Ecological information

Data sources:

Bayer CropScience Pty Ltd product safety data and published data

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.

END OF MSDS