

MATERIAL SAFETY DATA SHEET

Confidor Hose-On Lawn Insecticide

Date of Issue: April 20th, 2007

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND SUPPLIER

Product name: Confidor® Hose-On Lawn Insecticide
Other names: None
Product code: Not available
Recommended use: Home garden insecticide for the control of insect pests in lawns
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 - NON-DANGEROUS GOOD
Not flammable.

Hazard designation: Not hazardous according to criteria of Worksafe Australia
Risk phrases: Not applicable
Safety phrases: Not applicable
ADG classification: Not "dangerous goods" for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
SUSDP classification: Exempt

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	Concentration (g/L):
Imidacloprid	[138261-41-3]	15
1,2-benzisothiazolin-3-one	[2634-33-5]	0.85
Other ingredients (non-hazardous)		1044.15

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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:	Remove to fresh air and keep at rest.
Skin contact:	Remove any contaminated clothing and wash skin thoroughly with soap and water.
Eye contact:	Irrigate eyes immediately with clean water for 15 minutes.
Ingestion:	Give plenty of water to drink. Never give anything by mouth to an unconscious person.
First Aid Facilities:	Provide washing facilities in the workplace.
Symptoms:	Symptoms of intoxication that may arise if the product is mishandled include: apathetic state, depressed muscular tone, respiratory disturbance and trembling. Muscular cramps are also possible in severe cases of poisoning.
Medical attention:	<u>Treatment</u> Basic aid, decontamination, symptomatic treatment. <u>Note for physicians</u> Check blood pressure and pulse rate frequently since bradycardia and hypotension are possible. Provide supportive measures for respiratory and cardiac function. Give artificial respiration if signs of paralysis appear. Additional therapeutic measures involve elimination of the substance from the body or acceleration of its excretion (gastro-lavage, saline laxatives). No specific antidote known. Contraindications: Absorption promoting agents such as alcoholic beverages and milk. Oils and fats are of no special significance due to the low liposolubility of the active ingredient.

5. FIRE FIGHTING MEASURES

Extinguishing media:	Sprayed water jet, foam, extinguishing powder, carbon dioxide, and sand
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.

6. ACCIDENTAL RELEASE MEASURES

Avoid contact with spilled material or contaminated surfaces. When dealing with the spillage do not eat, drink or smoke and wear personal protective clothing and equipment as detailed in 'Personal Protection' section. Keep people and animals away. Prevent spillage from entering drains, sewers or watercourses. Contain/absorb spillage in sand/earth or other suitable inert material. Transfer collected material to sealable containers. Seal and label containers ready for disposal. Deal with all spillages immediately.

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7. HANDLING AND STORAGE

Handling: Keep out of reach of children.

Storage: Store in the closed original container in a dry, cool, well ventilated area out of direct sunlight. Do not store near any material intended for use or consumption by humans or animals.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure standards: NOHSC exposure standards have not been assigned for imidacloprid.

Engineering controls: Not applicable

Personal Protective Equipment: Personal Protective Measures:
Avoid contact with eyes, skin and clothing during mixing and spraying operations. Do not inhale spray mist.
Personal Protective Equipment: not required, but full length overalls recommended as standard practice.
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, arms and face thoroughly with soap and water. After each day's use wash contaminated clothing with detergent and water.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Opaque liquid

Odour: Slight characteristic odour

Vapour pressure: Not available

Vapour density: Not available

Boiling point: Not available

Freezing/melting point: Not available

Solubility: Dispersible

Density: 1.060 kg/L

pH: Not available

Flash Point: Not available

Flammability (explosive) limits: Not available

Auto-ignition temperature: Not available

Octanol/water partition coefficient: Not available

Formulation: Suspension concentrate

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10. STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of use.
Hazardous polymerisation:	Hazardous polymerization is not known to occur.
Conditions to avoid:	Not available
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

Inhalation:	May be harmful if inhaled.
Skin contact:	Repeated exposure may cause irritation and allergic disorders.
Eye contact:	May be slightly irritating to the eyes.
Ingestion:	May be harmful if swallowed.
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/cubic metre i.e. practically non-toxic
Skin irritation:	Not irritating – rabbit
Eye irritation:	Not irritating – rabbit
Sensitisation:	Not available

Chronic:

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

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12. ECOLOGICAL INFORMATION

Do NOT contaminate ponds, waterways or drains with the chemical or used containers.
Do NOT spray lawn areas if bees are foraging on flowering plants in the area to be treated.
Do NOT feed lawn clippings to poultry or livestock.

Fish toxicity:	LC ₅₀ : 237 mg/L (96 h); golden orfe (<i>Leuciscus idus melanotis</i>) LC ₅₀ : 211 mg/L (96 h); rainbow trout (<i>Oncorhynchus mykiss</i>)
Daphnia toxicity:	EC ₅₀ : 85 mg/L (48 h) <i>Daphnia magna</i>
Toxicity to algae:	EC ₅₀ : > 100 mg/L (72 h); green alga (<i>Pseudokirchneriella subcapitata</i>)
Bird toxicity:	Acute oral LD ₅₀ : 31 mg/kg; Japanese quail Acute oral LD ₅₀ : 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

- 1) After intended use:
Dispose of empty container by wrapping in paper, placing in plastic bag and putting in garbage.
- 2) After spill or accident:
Dispose of sealed containers at an approved local waste disposal site.

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
Marine Pollutant:	No

15. REGULATORY INFORMATION

Registered according to the Agricultural and Veterinary Chemicals Act 1988

Australian Pesticides and Veterinary Medicines Authority Approval Number: 55592

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16. OTHER INFORMATION

Trademark information: Confidor[®] is a registered trademark of Bayer.

Preparation information: Replaces February 22nd, 2004 edition.
Reason for update: Correction of imidacloprid CAS No., First Aid Measures, 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