

**Bayer Environmental Science**  
**Safety Data Sheet**  
**Confidor® Hose-On Lawn Insecticide**



Version / AUS  
 102000006386

Revision Date: 10.04.2012

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

Product name: **Confidor® Hose-On Lawn Insecticide**  
 Other names: None  
 Product code (UVP): 06074758  
 Recommended use: Insecticide

Chemical formulation: Suspension concentrate (=flowable concentrate)(SC)

Company: Bayer Environmental Science  
 A Business Operation of Bayer CropScience Pty Ltd  
 ABN 87 000 226 022  
 391-393 Tooronga Road, East Hawthorn  
 Victoria 3123, Australia

Telephone: (03) 9248 6888  
 Technical Information Service: 1800 804 479  
 Facsimile: (03) 9248 6800  
 Website: www.bayeres.com.au  
 Contact: (03) 9248 6888 Technical Manager

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

**SECTION 2. HAZARDS IDENTIFICATION**

<b>Emergency Overview</b>	
<b>NON-HAZARDOUS SUBSTANCE</b>	<b>DANGEROUS GOODS</b>

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: 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, Confidor Hose-on-Lawn Insecticide 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: Imidacloprid 15 g/L

Chemical Name	CAS-No.	Concentration [%]
Imidacloprid	138261-41-3	1.59
1,2-Benzisothiazol-3(2H)-one	2634-33-5	0.09
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 the victim to fresh air and keep at rest.

**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.

**Eye contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

**Ingestion**

Rinse out mouth and give water in small sips to drink. Never give anything by mouth to an unconscious person.

**Notes to physician**

**Symptoms**

Apathy, trembling, muscle rigidity.

**Treatment**

Treat symptomatically.

Monitor: respiratory and cardiac functions.

Oxygen or artificial respiration if needed.

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.

Contraindications: alcohol.

**SECTION 5. FIRE FIGHTING MEASURES**

**Suitable extinguishing media**

Water spray

Dry powder

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

Sand

**Hazards from combustion products**

In the event of fire the following may be released:

Hydrogen chloride (HCl)

Hydrogen cyanide (hydrocyanic acid)

Carbon monoxide (CO)

Nitrogen oxides (NO<sub>x</sub>)

**Precautions for fire-fighting**

Wear self-contained breathing apparatus and protective suit.



**SECTION 6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions**

Avoid contact with spilled product or contaminated surfaces.  
When dealing with a spillage do not eat, drink or smoke.  
Use personal protective equipment.  
Keep unauthorized people away.

**Environmental precautions**

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

**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.

**SECTION 7. HANDLING AND STORAGE**

**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.  
Store in a cool, dry place and in such a manner as to prevent cross contamination with other crop protection products, fertilizers, food, and feed.

**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

For further details on the Occupational Exposure Standards, see Section 16.

**Personal protective equipment - End user**

Respiratory protection: Not normally required.  
Hand protection: Elbow-length PVC or nitrile gloves are recommended as good practice.  
Eye protection: Not normally required.  
Skin and body protection: Not normally required.

**Engineering controls**

Advice on safe handling:  
Avoid contact with skin, eyes and clothing.

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#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

##### Appearance

Form: Opaque, liquid  
Colour: No data available  
Odour: Characteristic

##### 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: ca. 1.06 g/cm<sup>3</sup> at 20 °C  
Water solubility: No data available  
Partition coefficient: n-octanol/water: No data available

#### SECTION 10. STABILITY AND REACTIVITY

Hazardous decomposition products: Thermal decomposition can lead to release of:  
Hydrogen chloride (HCl)  
Hydrogen cyanide (hydrocyanic acid)  
Carbon monoxide  
Nitrogen oxides (NO<sub>x</sub>)

#### SECTION 11. TOXICOLOGICAL INFORMATION

##### Potential health effects

Inhalation: May be harmful if inhaled.  
Skin: May cause irritation.  
Eye: May cause slight irritation.  
Ingestion: May be harmful if swallowed.

##### Animal toxicity studies

Acute oral toxicity: LD<sub>50</sub> (rat) 424 mg/kg  
The value mentioned relates to the active ingredient imidacloprid.



Acute inhalation toxicity:	LC <sub>50</sub> (rat) Exposure time: 4 h > 5.323 mg/L The value mentioned relates to the active ingredient imidacloprid.
Acute dermal toxicity:	LD <sub>50</sub> (rat) > 5,000 mg/kg The value mentioned relates to the active ingredient imidacloprid.
Skin irritation:	No skin irritation (rabbit). The value mentioned relates to the active ingredient imidacloprid.
Eye irritation:	No eye irritation (rabbit). The value mentioned relates to the active ingredient imidacloprid.
Sensitisation:	Non-sensitizing (guinea pig). OECD Test Guideline 406, Magnusson & Kligman test. The value mentioned relates to the active ingredient imidacloprid.

**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> (non-biting midge ( <i>Chironomus riparius</i> )) 0.0552 mg/L Exposure time: 24 h The value mentioned relates to the active ingredient imidacloprid.

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Toxicity to aquatic plants:  $EC_{50}$  (*Desmodemus subspicatus*) > 10 mg/L  
 Growth rate Exposure time: 72 h  
 The value mentioned relates to the active ingredient imidacloprid.

**SECTION 13. DISPOSAL CONSIDERATIONS**

Dispose of empty container by wrapping in paper, placing in plastic bag and putting in the garbage. DO NOT burn empty containers or product.

**SECTION 14. TRANSPORT INFORMATION**

**ADG**

UN-Number	<b>3082</b>
Class	9
Subsidiary Risk	None
Packaging group	III
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (IMIDACLOPRID SOLUTION)
Hazchem Code	•3Z

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>3082</b>
Class	9
Subsidiary Risk	None
Packaging group	III
EmS	F-A , S-F
Marine pollutant	YES
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (IMIDACLOPRID SOLUTION)

**IATA**

UN-Number	<b>3082</b>
Class	9
Subsidiary Risk	None
Packaging group	III
Environm. Hazardous Mark	YES
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (IMIDACLOPRID SOLUTION )

**SECTION 15. REGULATORY INFORMATION**

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

Australian Pesticides and Veterinary Medicines Authority approval number: 55592.

See also Section 2.



**SECTION 16. OTHER INFORMATION**

**Trademark information**

Confidor® is registered trademark of Bayer.

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.

END OF SDS