

**Bayer Environmental Science**  
**Material Safety Data Sheet**  
**Yates Confidor® Ready to Use Insecticide**



Version / AUS  
102000007646

Revision Date: 07.02.2012

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

Product name: **Yates Confidor® Ready to Use Insecticide**  
Other names: None  
Product code (UVP): 5671779  
Recommended use: Insecticide

Chemical formulation: Liquid (AL)

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](http://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**

**Emergency Overview**  
NON-HAZARDOUS SUBSTANCE NON-DANGEROUS GOODS

Hazardous classification: Non-hazardous (National Occupational Health and Safety Commission - NOHSC).

R-phrase(s): Not applicable.

S-phrase(s): See sections 4, 5, 6, 7, 8, 10, 13.

ADG Classification: Not a "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 0.125 g/L

Chemical Name	CAS-No.	Concentration [%]
Imidacloprid	138261-41-3	0.0125
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. When symptoms persist or in all cases of doubt seek medical advice.

##### **Skin contact**

Wash off thoroughly with plenty of soap and water, if available with polyethyleneglycol 400, subsequently rinse with water. If symptoms persist, call a physician.

##### **Eye contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention if irritation develops and persists.

##### **Ingestion**

Do NOT induce vomiting. Call a physician or poison control center immediately. Rinse mouth.

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

##### **Treatment**

Treat symptomatically.  
Monitor: respiratory and cardiac functions.  
In case of ingestion gastric lavage should be considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable.

#### SECTION 5. FIRE FIGHTING MEASURES

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

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

##### **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)  
Hydrogen cyanide (Hydrocyanic acid)  
Carbon monoxide (CO)  
Nitrogen oxides (NO<sub>x</sub>)

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

In the event of fire and/or explosion do not breathe fumes.  
Wear self-contained breathing apparatus and protective suit.  
Contain the spread of the fire-fighting media.  
Do not allow run-off from fire fighting to enter drains or water courses.  
Remove product from areas of fire, or otherwise cool containers with water in order to avoid pressure being built up due to heat.  
Whenever possible, contain fire-fighting water by diking area with sand or earth.



**Hazchem Code** Not applicable

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions

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

### 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.

### Methods for cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Clean contaminated floors and objects thoroughly, observing environmental regulations.  
Keep in suitable, closed containers for disposal.

### Additional advice

Information regarding safe handling, see section 7.  
Information regarding personal protective equipment, see section 8.  
Information regarding waste disposal, see section 13.

## SECTION 7. HANDLING AND STORAGE

### Handling

Hygiene measures:

Avoid contact with skin, eyes and clothing.  
Keep working clothes separately.  
Wash hands before breaks and immediately after handling the product.  
Remove soiled clothing immediately and clean thoroughly before using again.  
Garments that cannot be cleaned must be destroyed (burnt).

### Storage

Requirements for storage areas and containers:

Keep containers tightly closed in a dry, cool and well-ventilated place.  
Store in a place accessible by authorized persons only.  
Store in original container.

Requirements for storage areas and containers:

Keep out of reach of children and animals.

Advice on common storage:

Keep away from food, drink and animal feedingstuffs.



**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.

Biological limit values: None.

**Personal protective equipment - End user**

Respiratory protection: Not normally required.

Hand protection: Not normally required. The use of gloves is recommended as good practice.

Eye protection: Not normally required.

Skin and body protection: Not normally required.

**Engineering Controls**

Advice on safe handling:

Use only in area provided with appropriate exhaust ventilation.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance**

Form: Liquid, suspension  
Colour: Clear  
Odour: Weak, characteristic

**Safety data**

pH: 3.5 – 6.0  
Flash point: No data available  
Ignition temperature: No data available  
Autoignition 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. 1,00 g/cm<sup>3</sup> at 20 °C  
Water solubility: Completely miscible

Bayer Environmental Science  
Material Safety Data Sheet  
Yates Confidor® Ready to Use Insecticide



Version / AUS  
102000007646

Revision Date: 07.02.2012

Partition coefficient: n-octanol/water:	No data available
Viscosity, dynamic:	No data available
Surface tension:	No data available
Explosivity:	No data available

**SECTION 10. STABILITY AND REACTIVITY**

Chemical stability:	Stable under recommended storage conditions.
Conditions to avoid:	Heat, flames and sparks.
Materials to avoid:	Acids. Bases. Strong oxidizing agents.
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> )
Hazardous reactions:	No hazardous reactions when stored and handled according to prescribed instructions.

**SECTION 11. TOXICOLOGICAL INFORMATION**

**Potential health effects**

Inhalation:	Not expected to be harmful if inhaled.
Skin:	Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.
Eye:	May be slightly irritating to eyes.
Ingestion:	Harmful if swallowed.

**Acute toxicity**

Acute oral toxicity:	LD <sub>50</sub> (rat) 424 mg/kg The value mentioned relates to the active ingredient.
Acute inhalation toxicity:	LD <sub>50</sub> (rat) > 5,323 mg/L Exposure time: 4 h Determined in the form of a respirable fine dust. The value mentioned relates to the active ingredient.
Acute dermal toxicity:	LD <sub>50</sub> (rat) > 5,000 mg/kg The value mentioned relates to the active ingredient.

Bayer Environmental Science  
Material Safety Data Sheet  
Yates Confidor® Ready to Use Insecticide



Version / AUS  
102000007646

Revision Date: 07.02.2012

Skin irritation:	No skin irritation (rabbit). The value mentioned relates to the active ingredient.
Eye irritation:	No eye irritation (rabbit). The value mentioned relates to the active ingredient.
Sensitisation:	Non-sensitizing (rabbit). OECD Test Guideline 406, Magnusson & Kligman test The value mentioned relates to the active ingredient.

#### SECTION 12. ECOLOGICAL INFORMATION

##### Ecotoxicity effects

Toxicity to fish:	LC <sub>50</sub> ( <i>Oncorhynchus mykiss</i> (Rainbow trout)) 211 mg/L Exposure time: 96 h The value mentioned relates to the active ingredient.
Toxicity to aquatic invertebrates:	EC <sub>50</sub> ( <i>Daphnia magna</i> (Water flea)) 85 mg/L Exposure time: 48 h The value mentioned relates to the active ingredient.
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.
Toxicity to aquatic plants:	EC <sub>50</sub> ( <i>Desmodium subspicatus</i> ) > 10 mg/L Growth rate Exposure time: 72 h The value mentioned relates to the active ingredient.
Toxicity to bacteria:	EC <sub>50</sub> (Activated sludge) > 10,000 mg/L The value mentioned relates to the active ingredient.

#### SECTION 13. DISPOSAL CONSIDERATIONS

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

#### SECTION 14. TRANSPORT INFORMATION

Not "dangerous goods" for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

#### SECTION 15. REGULATORY INFORMATION

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

Australian Pesticides and Veterinary Medicines Authority approval number: 60784.

See also Section 2.



**SECTION 16. OTHER INFORMATION**

**Trademark information**

Confidor® 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.

**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 MSDS