

**Bayer Environmental Science**  
**Material Safety Data Sheet**  
**QUICKBAYT® SPRAY FLY BAIT**



Version / AUS  
 102000008440

Revision Date: 23.06.2011

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

Product name: **QUICKBAYT® SPRAY FLY BAIT**  
 Other names: None  
 Product code (UVP): 06277055  
 Recommended use: Insecticide

Chemical formulation: Water dispersible granules (WG)

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

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

R-phrase(s): R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s): 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, QuickBayt Spray Fly Bait is a MARINE POLLUTANT. See Section 14.

SUSMP classification (Poison Schedule): Schedule 5 (Standard for the Uniform Scheduling of Medicines and Poisons)

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical nature: Imidacloprid 100 g/L

Chemical Name	CAS-No.	Concentration [%]
Imidacloprid	138261-41-3	10.00
Silica, amorphe	7631-86-9	> 1.00
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 Material Safety Data Sheet to the doctor.**

##### **Skin contact**

Wash off immediately with soap and plenty of 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**

Call a physician or poison control center immediately. Rinse mouth. Induce vomiting only, if:

1. patient is fully conscious, 2. medical aid is not readily available, 3. a significant amount (more than a mouthful) has been ingested and 4. time since ingestion is less than 1 hour. (Vomit should not get into the respiratory tract.)

##### **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**

Wear self-contained breathing apparatus and protective suit.

Whenever possible, contain fire-fighting water by diking area with sand or earth.

Do not allow run-off from fire fighting to enter drains or water courses.

**Hazchem Code** 2Z

#### SECTION 6. ACCIDENTAL RELEASE MEASURES



**Personal precautions**

Avoid contact with spilled product or contaminated surfaces.  
Use personal protective equipment.

**Environmental precautions**

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

**Environmental precautions**

If the product contaminates rivers and lakes or drains inform respective authorities.

**Methods for cleaning up**

Use mechanical handling equipment.  
Keep in suitable, closed containers for disposal.  
Clean contaminated floors and objects thoroughly, observing environmental regulations.

**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:

Smoking, eating and drinking should be prohibited in the application area.  
Wash hands immediately after work, if necessary take a shower.  
Remove soiled clothing immediately and clean thoroughly before using again.  
When using, do not eat, drink or smoke.

**Storage**

Requirements for storage areas and containers:

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

Advice on common storage:

Keep away from food, drink and animal feedingstuffs.

Suitable materials:

FBC N PP alu inner liner

**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
Silica, amorphe (Respirable fraction.)	7631-86-9	2 mg/m <sup>3</sup> (TWA)	08 2005	AU OEL
Synthetic amorphous silica (Inspirable fraction.)	112926-00-8	10 mg/m <sup>3</sup> (TWA)	08 2005	AU OEL

# Bayer Environmental Science

## Material Safety Data Sheet

### QUICKBAYT® SPRAY FLY BAIT



Version / AUS  
102000008440

Revision Date: 23.06.2011

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

Biological limit values: None

#### Personal protective equipment - End user

General advice: Follow all label instructions.

Respiratory protection: No personal respiratory protective equipment normally required.

Hand protection: Wear CE Marked (or equivalent) nitrile rubber gloves (minimum thickness 0,40 mm). Wash when contaminated. Dispose of when contaminated inside, when perforated or when contamination outside cannot be removed. Wash hands always before eating, drinking, smoking or using the toilet.

Eye protection: Goggles.

Skin and body protection: Cotton overall buttoned to the neck and wrist.  
Protective suit.

#### Engineering Controls

Advice on safe handling:

Use only in area provided with appropriate exhaust ventilation.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Appearance

Form	Granular
Colour	White to beige
Odour	Weak, characteristic

#### Safety data

pH:	No data available
Melting point/range:	181 °C
Flash point:	No data available
Flammability (solid, gas):	The product is not highly flammable
Ignition temperature:	345 °C
Autoignition temperature:	The product is not self-ignitable
Upper explosion limit:	No data available
Lower explosion limit:	No data available
Vapour pressure:	No data available
Relative vapour density:	No data available
Density:	No data available

Bayer Environmental Science  
Material Safety Data Sheet  
QUICKBAYT® SPRAY FLY BAIT



Version / AUS  
102000008440

Revision Date: 23.06.2011

Water solubility:	Dispersible
Partition coefficient: n-octanol/water:	No data available
Combustion number:	CN2 Short flaring without spreading
Oxidizing properties:	The product has been shown not to be oxidising in a test following Directive 67/548/EEC (Method A17, oxidising properties).
Explosivity:	Not explosive 92/69/EEC, A.14 / OECD 113

**SECTION 10. STABILITY AND REACTIVITY**

Chemical stability:	Stable under recommended storage conditions.
Conditions to avoid:	No data available.
Materials to avoid:	No data available.
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**

Chronic exposure:	This product or its components may have target organ effects.
Acute oral toxicity:	LD <sub>50</sub> (rat) > 5,000 mg/kg
Acute inhalation toxicity:	LC <sub>50</sub> (rat) > 5.323 mg/L Exposure time: 4 h Determined in the form of a respirable fine dust. Highest attainable concentration. 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.
Skin irritation:	No skin irritation (rabbit).
Eye irritation:	No eye irritation (rabbit).
Sensitisation:	Non-sensitizing (guinea pig). OECD Test Guideline 406, Magnusson & Kligman test
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.

**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 was not a reproductive toxicant in a two-generation study in rats.

**Assessment developmental toxicity**

Imidacloprid was not a developmental toxicant in rats and rabbits.

**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> ( <i>Daphnia magna</i> (Water flea)) 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.
Toxicity to other organisms:	LD <sub>50</sub> ( <i>Coturnix japonica</i> (Japanese quail)) 31 mg/kg The value mentioned relates to the active ingredient imidacloprid.
Biodegradability:	Not readily biodegradable. The value mentioned relates to the active ingredient imidacloprid.
Stability in soil:	The value mentioned relates to the active ingredient imidacloprid. Adsorbs on soil.

**SECTION 13. DISPOSAL CONSIDERATIONS**

**Metal drums and plastic containers**

Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do



not dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

**SECTION 14. TRANSPORT INFORMATION**

**ADG**

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	3077
Class	9
Subsidiary Risk	None
Packaging group	III
EmS	F-A , S-F
Marine pollutant	YES
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (IMIDACLOPRID MIXTURE)

**IATA**

UN-Number	3077
Class	9
Subsidiary Risk	None
Packaging group	III
Environm. Hazardous Mark	YES
Description of the goods	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (IMIDACLOPRID MIXTURE )

**SECTION 15. REGULATORY INFORMATION**

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

Australian Pesticides and Veterinary Medicines Authority approval number: 61737.

See also Section 2.

**SECTION 16. OTHER INFORMATION**

**Trademark information**

QUICKBAYT® 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.

Bayer Environmental Science  
Material Safety Data Sheet  
QUICKBAYT® SPRAY FLY BAIT



Version / AUS  
102000008440

Revision Date: 23.06.2011

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:**

OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"

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