

Bayer Environmental Science
Safety Data Sheet
QUICKBAYT® SPRAY FLY BAIT



Version 2 / AUS
102000008440

Revision Date: 28.08.2012

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

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview
NON-HAZARDOUS SUBSTANCE DANGEROUS GOODS

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

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

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, 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 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_x)

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.

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 ³ (TWA) | | OES BCS |
| Silica, amorphe (Respirable fraction.) | 7631-86-9 | 2 mg/m ³ (TWA) | 12 2011 | AU OEL |
| Synthetic amorphous silica (Inspirable fraction.) | 112926-00-8 | 10 mg/m ³ (TWA) | 12 2011 | AU OEL |

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

Bayer Environmental Science
Safety Data Sheet
QUICKBAYT® SPRAY FLY BAIT



Version 2 / AUS
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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: Elbow-length chemical resistant gloves.

Eye protection: No eye protective equipment normally required.

Skin and body protection: Cotton overall buttoned to the neck and wrist.
Washable hat.

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
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 _x) |
| 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.

Animal toxicity studies

Acute oral toxicity: LD₅₀ (rat) > 5,000 mg/kg

Acute inhalation toxicity: LC₅₀ (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: LD₅₀ (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

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 ₅₀ ((<i>Oncorhynchus mykiss</i> (Rainbow trout)) > 1,000 mg/L Exposure time: 96 h |
| Toxicity to fish: | LC ₅₀ (<i>Oncorhynchus mykiss</i> (Rainbow trout)) 211 mg/L Exposure time: 96 h The value mentioned relates to the active ingredient imidacloprid. |
| Toxicity to aquatic invertebrates: | EC ₅₀ (<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 ₅₀ (<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 ₅₀ (<i>Desmodesmus subspicatus</i>) > 10 mg/L Growth rate Exposure time: 72 h The value mentioned relates to the active ingredient imidacloprid. |

SECTION 13. DISPOSAL CONSIDERATIONS

Single rinse container before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. Dispose of undiluted chemical according to National legislative requirements. Dispose of empty containers by wrapping with paper and putting in garbage. Empty container and product should not be burnt. DO NOT re-use empty container for any other purpose.

SECTION 14. TRANSPORT INFORMATION

ADG

| | |
|------------------|------|
| UN-Number: | 3077 |
| Class: | 9 |
| Subsidiary risk: | None |

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Packaging group: III
Description of the goods: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,
N.O.S.
(IMIDACLOPRID MIXTURE)
Hazchem Code: 2Z

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 the Bayer Group.

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.

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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.

Reason for revision: Changed name from Material Safety Data Sheet to Safety Data Sheet.

END OF SDS