

Bayer Environmental Science

Material Safety Data Sheet

QuickBayt® Fly Bait



Version / AUS
10200007686

Revision Date: 20.10.2011

SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: **QuickBayt® Fly Bait**
Other names: None
Product code (UVP): 05451132
Recommended use: Insecticide

Chemical formulation: Granule (GR)

Company: Bayer Environmental Science
A Business Operation of Bayer CropScience Pty Ltd
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SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview	
NON-HAZARDOUS SUBSTANCE	DANGEROUS GOODS

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 goods" 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 Fly Bait 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 5 g/kg

Chemical Name	CAS-No.	Concentration [%]
Imidacloprid	138261-41-3	0.50
Muscalure	27519-02-4	0.10
2,6-Di-tert-butyl-4-methylphenol	128-37-0	0.10
Synthetic amorphous silica	112926-00-8	0.06
Other ingredients (non-hazardous) to		



100 %		
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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 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. 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.
There is no specific antidote.

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.
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 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.
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:

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 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:

Polyethylene
Up to 20 kg packaging size



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
Imidacloprid	138261-41-3	0.7 mg/m ³ (TWA)		OES BCS
Synthetic amorphous silica (Inspirable fraction.)	112926-00-8	10 mg/m ³ (TWA)	08 2005	AU OEL
2,6-Di-tert-butyl-4- methylphenol	128-37-0	10 mg/m ³ (TWA)	08 2005	AU OEL

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

Biological limit values: None

Personal protective equipment - End user

Respiratory protection: No personal respiratory protective equipment normally required.

Hand protection: Rubber gloves.

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

Engineering Controls

Advice on safe handling:

No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form: Granular
Colour: Light red
Odour: Weak, characteristic

Safety data

pH: No data available
Melting point/range: 180 - 182 °C
Flash point: No data available
Flammability (solid, gas): The product is not highly flammable.
Ignition temperature: 355 °C
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
Bulk density:	ca. 542 kg/m ³
Water solubility:	At 20 °C soluble
Partition coefficient: n- octanol/water:	No data available
Combustion number:	CN5 Complete combustion with flames

SECTION 10. STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions.
Conditions to avoid:	Extremes of temperature and direct sunlight.
Materials to avoid:	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 _x)
Hazardous reactions:	No hazardous reactions when stored and handled according to prescribed instructions.

SECTION 11. TOXICOLOGICAL INFORMATION

Potential Health Effects

Inhalation:	Inhalation not likely.
Skin:	No skin irritation.
Eye:	May cause eye irritation.
Ingestion:	Low acute oral toxicity.
Acute oral toxicity:	LD ₅₀ (rat) > 2,500 mg/kg
Acute inhalation toxicity:	No data available
Acute dermal toxicity:	LD ₅₀ (rat) > 2,000 mg/kg
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 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.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish: LC₅₀ (*Oncorhynchus mykiss* (Rainbow trout)) 211 mg/L
Exposure time: 96 h
The value mentioned relates to the active ingredient imidacloprid.

Toxicity to aquatic invertebrates: EC₅₀ (*Daphnia magna* (Water flea)) 85 mg/L
Exposure time: 48 h
The value mentioned relates to the active ingredient imidacloprid.

Toxicity to aquatic invertebrates: LC₅₀ (*Chironomus riparius* (Non-biting midge)) 0.0552 mg/L
Exposure time: 24 h
The value mentioned relates to the active ingredient imidacloprid.

Toxicity to aquatic plants: EC₅₀ (*Desmodesmus subspicatus*) > 10 mg/L
Growth rate Exposure time: 72 h
The value mentioned relates to the active ingredient imidacloprid.

Toxicity to bacteria: EC₅₀ (Activated sludge) > 10,000 mg/L

Toxicity to other organisms: LD₅₀ (*Coturnix japonica* (Japanese quail)) 31 mg/kg

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

350 g pack

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

Metal drums and plastic containers > 350 g

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

UN-Number	3077
Class	9
Subsidiary Risk	None
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.

Bayer Environmental Science
Material Safety Data Sheet
QuickBayt® Fly Bait



Version / AUS
102000007686

Revision Date: 20.10.2011

Australian Pesticides and Veterinary Medicines Authority approval number: 57892.

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.

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