

MATERIAL SAFETY DATA SHEET

QuickBayt® Fly Bait

Date MSDS prepared: September 14th, 2006

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND SUPPLIER

Product name: QuickBayt® Fly Bait
Other names: None
Product code: 6347827 (2 kg), 6331599 (350 g)
Chemical group: Guanidine
Recommended use: Granular bait for nuisance fly control.
Formulation: Granular bait
Supplier: Bayer Environmental Science – A Business Group of Bayer CropScience Pty Ltd ABN 87 000 226 022
Address: 391 - 393 Tooronga Road, East Hawthorn Victoria 3123, Australia
Telephone: (03) 9248 6888
Facsimile: (03) 9248 6800
Website: www.bayercropscience.com.au
Contact: Technical Manager (03) 9248 6888
Emergency Telephone Number: 1800 033 111 – Orica SH&E Shared Services

2. HAZARDS IDENTIFICATION

NON-HAZARDOUS SUBSTANCE - NON-DANGEROUS GOOD
Not flammable.

Hazard designation: Not classified as hazardous according to criteria of NOHSC Australia
Risk phrases: Not applicable
Safety phrases: See Sections 4, 5, 6, 7, 8, 9, 13
ADG classification: Not classified as "dangerous goods" for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
SUSDP classification: Exempt

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	Concentration (g/kg):
Imidacloprid	[138261-41-3]	5
(Z)-9-tricosene	[27519-0204]	1.0
Silica	[112926-00-8]	0.6
2,6-Di-tert-butyl-p-cresol	[128-37-0]	1.0
Other ingredients	Non-hazardous	983

MATERIAL SAFETY DATA SHEET

QuickBayt® Fly Bait

Date MSDS prepared: September 14th, 2006

4. FIRST AID MEASURES

If poisoning occurs, immediately contact a doctor or Poisons Information Centre (Phone 13 11 26), and follow the advice given. Show this Material Safety Data Sheet to a doctor.

- Inhalation:** The presentation as a granule means inhalation is unlikely. The strong odour associated with the product is due to the food-flavouring attractant blends in the formulation and is not associated with the active ingredient.
- Skin contact:** Wash skin immediately with copious amounts of soap and water.
- Eye contact:** Rinse eyes immediately with running water for 15 minutes.
- Ingestion:** This product contains a taste deterrent and ingestion of large quantities is unlikely. The product has low toxicity by the oral route.
- First Aid Facilities:** Provide washing facilities in the workplace.
- Symptoms:** In the unlikely event of ingestion of sufficient quantities of the product to cause poisoning; symptoms of intoxication that may arise include: apathetic state, depressed muscular tone, respiratory disturbance and trembling. Muscular cramps are also possible in severe cases of poisoning.
- Medical attention:** Treatment
Basic aid, decontamination, symptomatic treatment.
Note for physicians
Check blood pressure and pulse rate frequently since bradycardia and hypotension are possible. Provide supportive measures for respiratory and cardiac function. Give artificial respiration if signs of paralysis appear. Additional therapeutic measures involve elimination of the substance from the body or acceleration of its excretion (gastro-lavage, saline laxatives). No specific antidote known.
Contraindications: Absorption promoting agents such as alcoholic beverages and milk.
Oils and fats are of no special significance due to the low liposolubility of the active ingredient.

5. FIRE FIGHTING MEASURES

- Extinguishing media:** Carbon dioxide, water, dry agent, foam
- Hazards from combustion products:** In the event of fire, the formation of hydrogen chloride, hydrogen cyanide, carbon monoxide and nitrogen oxides must be anticipated. Do not breathe fumes.
- Precautions for fire fighters:** Fight fire in the early stages if safe to do so. Wear respiratory protection.
Well ventilated areas: wear full face mask with combination filter eg., ABEK-P2 (offers no protection from carbon monoxide)
Enclosed premises: wear respirator with independent air supply.
Make provision for product and fire-fighting water to be retained.

MATERIAL SAFETY DATA SHEET

QuickBayt® Fly Bait

Date MSDS prepared: September 14th, 2006

6. ACCIDENTAL RELEASE MEASURES

Dealing with spills and disposals may result in the potential for increased personal exposure. Protective clothing and equipment as described in the PERSONAL PROTECTION section should be worn. Avoid contact with spilled material or contaminated surfaces. If spillage occurs, prevent spillage from spreading or entering waterways and underground drains. Sweep up spillage and place in a sealable container. On completion of clean-up, scrub area with detergent and water and rinse with water. Do not smoke, eat or drink during clean-up operations.

7. HANDLING AND STORAGE

Handling: Keep out of reach of children.

Storage: Store below 30°C. Do not store in direct sunlight. Store in the closed, original carton in a cool place. Do not destroy carton while product remains.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure standards: NOHSC exposure standards have not been established for imidacloprid or for any of the inert constituents of this formulation.

Engineering controls: No engineering controls are required in the normal use of this product.

Personal Protective Equipment: Wear gloves during handling of product. Wash hands after use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Pale red granules
Odour: Strong characteristic (cheese like) smell
Vapour pressure: 4×10^{-7} mPa at 20° C (imidacloprid)
Vapour density: Not available
Melting point: 180 – 182 °C
Solubility: Not soluble in water
Density: 0.55 – 0.70 g/mL
pH: 5.5 – 6.5 at 1% in water
Flash Point: No flash point up to 100°C.
Solid products combustibility: BZ 5 = burning with flames or flying sparks
Auto-ignition temperature: 355°C
Octanol/water partition coefficient: *Imidacloprid*: Log P_{ow} = 0.57 (21° C)
Formulation: Granular Bait (GB)

MATERIAL SAFETY DATA SHEET

QuickBayt® Fly Bait

Date MSDS prepared: September 14th, 2006

10. STABILITY AND REACTIVITY

Chemical stability:	Product is not classified as flammable.
Hazardous polymerisation:	None
Conditions to avoid:	Keep away from sources of ignition and strong oxidising agents as a precaution.
Incompatible materials:	Not available
Hazardous decomposition products:	In the event of fire, the formation of hydrogen chloride, hydrogen cyanide, carbon monoxide and nitrogen oxides must be anticipated.

11. TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

Inhalation:	Presentation as a non-dusty granule mean inhalation is unlikely. The product does have a strong odour associated with it, which some people may find offensive. This odour is associated with some flavouring in the bait and not the active ingredient.
Skin contact:	Studies have shown no potential for skin irritation.
Eye contact:	Eye irritation may occur if contact occurs.
Ingestion:	The product exhibits low toxicity by the oral route.
Other:	None

ANIMAL TOXICITY DATA – PRODUCT:

Acute:

Oral toxicity:	LD ₅₀ rat: > 2500 mg/kg
Dermal toxicity:	LD ₅₀ rat: > 2000 mg/kg
Inhalation toxicity:	Not applicable
Skin irritation:	Not irritating – rabbit
Eye irritation:	Not irritating – rabbit
Sensitisation:	Not sensitising - guinea pig

Chronic:

Animal studies show no evidence of oncogenic effect, no evidence of carcinogenic effects and no teratogenic potential for imidacloprid.

MATERIAL SAFETY DATA SHEET

QuickBayt® Fly Bait

Date MSDS prepared: September 14th, 2006

12. ECOLOGICAL INFORMATION

Imidacloprid is toxic to certain aquatic species. Dangerous to bees.
Do not contaminate ponds, waterways or drains with the product or used containers.

Fish toxicity:

Imidacloprid:

Fish toxicity:

LC₅₀: 237 mg/L (96 h); golden orfe (*Leuciscus idus melanotis*)

LC₅₀: 211 mg/L (96 h); rainbow trout (*Oncorhynchus mykiss*)

LC₅₀: 280 mg/L (96 h); carp (*Cyprinus carpio*)

Aquatic invertebrate toxicity:

EC₅₀: 85 mg/L (48 h) *Daphnia magna*

Algae toxicity:

EC₅₀: > 100 mg/L (72 h); green alga (*Pseudokirchneriella subcapitata*)

Bacteria toxicity:

EC₅₀: > 10000 mg/L; activated sludge (OECD 209)

Bird toxicity:

Acute oral LD₅₀: 31 mg/kg; Japanese quail

Acute oral LD₅₀: 152 mg/kg; bobwhite quail

**Environmental fate,
persistence and
degradation:**

Imidacloprid shows a medium adsorption to soil. Classified as immobile in soil. Not expected to leach.

13. DISPOSAL CONSIDERATIONS

1) After intended use:

350 g pack: Shake container empty when completing use and dispose of empty container by wrapping with paper and putting in the garbage.

2 kg Pack: Triple or preferably pressure rinse containers before disposal. Dispose of rinsings in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots. 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. Empty containers and product should not be burnt.

2) After spill or accident:

Dispose of sealed containers at an approved local disposal site.

14. TRANSPORT INFORMATION

UN number: Not applicable

Proper shipping name: Not applicable

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

Packing Group: Not applicable

EPG: Not applicable

Hazchem code: Not applicable

Marine pollutant: No

MATERIAL SAFETY DATA SHEET

QuickBayt® Fly Bait

Date MSDS prepared: September 14th, 2006

15. REGULATORY INFORMATION

Registered according to the Agricultural and Veterinary Chemicals Act 1988

APVMA Approval Number: 57892

16. OTHER INFORMATION

Trademark information: QuickBayt® is a Registered Trademark of Bayer

Preparation information: Replaces November 30th 2004 edition
Reasons for update: Formulation composition, First aid measures.

Data sources: Bayer CropScience Pty Ltd product safety data and published data

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.

END OF MSDS