SAFETY DATA SHEET

QUICKBAYT SPRAY FLY BAIT

Revision Date: 27.02.2023

Version 1 / NZ

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name QUICKBAYT SPRAY FLY BAIT

Product code (UVP) 06277055

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use Insecticide

EPA Approval HSR100747

1.3 Details of the supplier of the safety data sheet

Importer/distributor

Garrards (NZ) Ltd
Unit 4/27B Cain Road
Penrose
Auckland 0627
New Zealand
Telephone: 09 526 5232
www.garrards.co.nz

1.4 Emergency telephone numbers

Emergency Number **For specialist advice in an emergency call +64 9801 0034 or 0800 425 459 toll free.**
The toll free phone number is possibly accessible, but not guaranteed from payphones within New Zealand and is not accessible from outside of New Zealand.

National Poisons Centre 0800 764 766 [0800 POISON]

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classified as hazardous according to the criteria in the Hazardous Substances (Hazard Classification) Notice 2020

Specific target organ toxicity, repeated exposure Category 2
H373 May cause damage to organs through prolonged or repeated exposure if swallowed.
Hazardous to the aquatic environment, acute Category 1
H400 Very toxic to aquatic life.
Hazardous to the aquatic environment, chronic Category 1
H410 Very toxic to aquatic life with long-lasting effects.
Hazardous to soil organisms
Hazardous to terrestrial vertebrates.
Hazardous to terrestrial invertebrates.

2.2 Label elements

Labelling in accordance with Hazardous Substances (Labelling) Notice 2017

Pictograms

Signal word: Warning

Hazard statements

H373	May cause damage to organs through prolonged or repeated exposure if swallowed.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life. with long lasting effects.
	Toxic to the soil environment.
	Toxic to terrestrial vertebrates
	Very toxic to terrestrial invertebrates.

Precautionary statements

P103	Read label before use.
P260	Do not breathe dust/vapours/spray
P273	Avoid release to the environment.
P314	Get medical advice/attention if you feel unwell.
P391	Collect spillage.
P501	Dispose of contents/container in accordance with local regulation.

2.3 Other hazards

Label - additional labelling requirements

QuickBayt Spray Fly Bait must be identified by information identifying (Z)-9-tricosene as an ingredient. This product is highly toxic to bees. It contains imidacloprid, tricosene and sugar. Ensure that beehives are not over-sprayed or reached by spray drift. Do not apply this product in areas where bees are foraging or are likely to forage. If the premises to be treated are in close proximity to beehives then the substance should be applied during times when bees are less active, such as in the evenings.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical nature

Water dispersible granules containing Imidacloprid 100 g/kg and (Z)-9-Tricosene (Muscalure) 0.84 g/kg

Hazardous components

Name	CAS-No.	Conc. [%]
Imidacloprid	138261-41-3	10.0
(Z)-9-Tricosene (Muscalure)	27519-02-4	≤ 0.1
Synthetic amorphous silica	112926-00-8	≥ 1.0
Other ingredients	Proprietary	To balance

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General advice

If medical advice is needed, have product container or label at hand.
Contact the National Poisons Centre 0800 764 766 (0800 POISON].
Move out of dangerous area. Place and transport victim in stable position

	(lying sideways). Remove contaminated clothing immediately and dispose of safely.
Inhalation	Move to fresh air and keep at rest in position comfortable for breathing. If symptoms persist, get medical advice.
Skin contact	Immediately wash with plenty of soap and water. If symptoms persist, get medical advice.
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	Rinse mouth. Do NOT induce vomiting. Call a doctor or National Poisons Centre immediately for advice.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms	If large amounts ingested may have symptoms of nausea, abdominal pain, dizziness.

4.3 Indication of any immediate medical attention and special treatment needed

Risks	No specific information.
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: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable	Use water spray, alcohol-resistant foam, dry chemical, sand.
Unsuitable	None known.
5.2 Special hazards arising from the substance or mixture	In the event of a fire, hazardous compounds/gases, e.g. hydrogen chloride, hydrogen cyanide, carbon monoxide, nitrogen oxides, may be released.

5.3 Advice for firefighters

Special protective equipment for firefighters	In the event of fire and/or explosion do not breathe fumes. In the event of fire, wear self-contained breathing apparatus.
Further information	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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

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

6.2 Environmental precautions Contain spillage. Do not allow to get into surface water, drains and ground water.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up Use mechanic handling equipment to recover spill. Collect and transfer the product into a properly labelled and tightly closed container for disposal. Clean contaminated floors and objects thoroughly, observing environmental regulations.

Additional advice Comply with any local regulations.

6.4 Reference to other sections 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

7.1 Precautions for safe handling

Advice on safe handling Read label before use. Apply only by ground-based methods.
Use only in area with appropriate exhaust ventilation.

Advice on protection against fire and explosion No specific information.

Hygiene measures Avoid contact with skin, eyes and clothing. Keep working clothes separately. Wash hands before breaks and immediately after handling the product. Remove contaminated clothing immediately and wash before reuse. Items that cannot be cleaned must be destroyed (burnt).

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers Keep out of reach of children. Keep tightly closed in a dry, cool and well-ventilated place. Store in original container. Store in a place accessible by authorized persons only. Protect from frost. Keep away from direct sunlight.
Storage of more than 100 kg requires signage, secondary containment and an emergency response plan.

Advice on common storage Keep away from food, drink and animal feeding stuffs.

Suitable materials Cylindrical bottles, 0.25 -1L; COEXEV/COEXPA

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components	CAS-No.	Control parameters	Exposure	Basis
Imidacloprid	138261-41-3	0.7 mg/m3 (TWA)	Inhalation	OES BCS*
Synthetic amorphous silica	112926-00-8	10 mg/m3 (TWA)	Inhalation	NZ TWA**

*OES BCS: Internal Bayer AG, Crop Science Division "Occupational Exposure Standard"
** NZ Workplace exposure standards and biological exposure indices, WORKSAFE, ed. 13, April 2022

8.2 Exposure controls

Personal protective equipment
In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

Respiratory protection	Respiratory protection is not required under anticipated circumstances of exposure. Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance.
Hand protection	Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Wash gloves when contaminated. Dispose of when contaminated inside, when perforated or when contamination on the outside cannot be removed. Wash hands frequently and always before eating, drinking, smoking or using the toilet.

Material	Nitrile rubber
Rate of permeability	> 480 min
Glove thickness	> 0.4 mm
Protective index	Class 6
Directive	Protective gloves complying with relevant standard

Eye protection	Wear chemical goggles.
Skin and body protection	Wear standard coveralls. If there is a risk of significant exposure, consider a higher protective type suit. Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently. If chemical protection suit is splashed, sprayed or significantly contaminated, decontaminate as far as possible, then carefully remove and dispose of as advised by manufacturer.
General information	The following Standards provide general advice regarding safety clothing and equipment: Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: **AS/NZS 4501**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	White, beige granules
Odour	Weak, characteristic
Odour threshold	No information
pH	4.0 - 6.0 (10% aqueous) (23 °C)
Melting point	181 ^{0}C

Initial boiling point and boiling range	Not applicable
Flash point	Not applicable
Flammability (solid, gas)	Non-flammable
Upper/lower flammability or explosive limits	Dust explosion class St2 (strongly explosible) Dust explosive number 237 barm/s
Vapour pressure	No information
Vapour density	No information
Relative density	No information
Solubility	Dispersible in water. Imidacloprid water solubility, 610 mg/L
Partition coefficient: n-octanol/water	Imidacloprid: log Pow 0.57
Auto-ignition temperature	320 ^{0}C
Decomposition temperature	No information
Viscosity, dynamic	No information
Particle characteristics	No information
9.2 Other information	Minimum ignition temperature, 30 -100 mJ Further safety related physical-chemical data are not known

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Thermal decomposition	Stable under normal conditions. Imidacloprid degrades at 175^{0}C (heating rate 3K/min)
10.2 Chemical stability	Stable under recommended storage conditions.
10.3 Possibility of hazardous reactions	No hazardous reactions when stored and handled according to prescribed instructions.
10.4 Conditions to avoid	Extremes of temperature and direct sunlight.
10.5 Incompatible materials	Store only in original container.
10.6 Hazardous decomposition products	No decomposition products expected under normal conditions of use.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute oral toxicity	Not classified.
Acute inhalation toxicity	Not classified.
Acute dermal toxicity	Not classified.
Skin irritation	Non-irritating (rabbit).

Eye irritation	Non-irritating (rabbit).
Respiratory sensitisation	Not classified
Skin sensitisation	Non-sensitizing (guinea pig)
Aspiration hazard	Based on available data, the classification criteria are not met.

Assessment mutagenicity

Imidacloprid is not mutagenic nor genotoxic 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 caused reproductive toxicity in a two-generation study in rats but at doses also toxic to parent animals.

Assessment developmental toxicity

Imidacloprid caused developmental toxicity only at dose levels toxic to the dams. The developmental effects seen are related to maternal toxicity.

Assessment of toxicity by lactation

Not classified.

Assessment STOT Specific target organ toxicity – single exposure

Based on available data, the classification criteria are not met.

Assessment STOT Specific target organ toxicity – repeated exposure

Imidacloprid affects liver (hepatotoxicity) and muscles.

Toxicological data

Oral LD50 (Rat) >5,000 mg/kg

Inhalation ATE (Rat) 4 hr >5 mg/L (calculation method estimate)

Dermal ATE (Rat) > 5,000 mg/kg (calculation method estimate)

Further information

Not available.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Hazard classification	Very toxic to aquatic life and with long lasting effects. Toxic to the soil environment and terrestrial vertebrates. Very toxic to terrestrial invertebrates.
Toxicity to fish	LC50 (*Oncorhynchus mykiss* (rainbow trout)) <1000 mg/l Exposure time: 96 h The value applies to product. 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. LC50 (*Chironomus riparius* (non-biting midge) 0.0552 mg/L Exposure time: 24 h The value mentioned relates to the active ingredient Imidacloprid. LC50 (*Chironomus riparius* (non-biting midge) 0.87 µg/L Exposure time: 28 d The value mentioned relates to the active ingredient Imidacloprid. EC10 (*Caenis horaria* (Mayfly)) 0.024 µg/L Exposure time: 28 d The value mentioned relates to the active ingredient Imidacloprid.
Toxicity to aquatic plants	IC50 (*Desmodesmus subspicatus* (green algae)) > 10 mg/l Exposure time: 72 h The value mentioned relates to the active ingredient Imidacloprid.

12.2 Persistence and degradability

Biodegradability	Imidacloprid: Not rapidly biodegradable.
Koc	Imidacloprid: 225

12.3 Bioaccumulative potential

Bioaccumulation	Imidacloprid: Does not bioaccumulate

12.4 Mobility in soil

Mobility in soil	Imidacloprid: Moderately mobile in soil.

12.5 Results of PBT and vPvB assessment

PBT and vPvB assessment	Imidacloprid: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).

12.6 Other adverse effects

Additional ecological information	No further ecological information is available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product	Dispose of this product only by using according to the label, or at an approved landfill or other approved facility.

Contaminated packaging	Triple rinse containers. Recycle if possible. If allowed under local authority, burn if circumstances, especially wind direction permit, otherwise crush and bury in an approved local authority facility. Do not use container for any other purpose.

SECTION 14: TRANSPORT INFORMATION

This transportation information is not intended to convey all specific regulatory information relating to this product. It does not address regulatory variations due to package size or special transportation requirements.

ADR/RID/ADN

14.1 UN number	**3077**
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (IMIDACLOPRID MIXTURE)
14.3 Transport hazard class(es)	9
14.4 Packing group	III
14.5 Environm. Hazardous Mark	YES
Hazchem Code	2Z

IMDG

14.1 UN number	**3077**
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (IMIDACLOPRID MIXTURE)
14.3 Transport hazard class(es)	9
14.4 Packing group	III
14.5 Marine pollutant	YES

IATA

14.1 UN number	**3077**
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (IMIDACLOPRID MIXTURE)
14.3 Transport hazard class(es)	9
14.4 Packing group	III
14.5 Environ. Hazardous Mark	YES

14.6 Special precautions for user
See sections 6 to 8 of this Safety Data Sheet.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code
No transport in bulk according to the IBC Code.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

HSNO Act 1996

HSNO substance No.	HSR100747
HSNO Controls	See www.epa.govt.nz

ACVM Act 1996

ACVM registration No.	Exempt

ACVM conditions	See www.foodsafety.govt.nz
Other product approvals	Approved Maintenance Compound Type B

SECTION 16: OTHER INFORMATION

Date issued: 27th February 2023
Reason for issue: Change is supplier and 5-yearly review, update to GHS
Replaces:

Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute toxicity estimate
CAS-Nr.	Chemical Abstracts Service number
Conc.	Concentration
ECx	Effective concentration to x %
EINECS	European inventory of existing commercial substances
ELINCS	European list of notified chemical substances
EN	European Standard
EU	European Union
IATA	International Air Transport Association
IBC	International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code)
ICx	Inhibition concentration to x %
IMDG	International Maritime Dangerous Goods
LCx	Lethal concentration to x %
LDx	Lethal dose to x %
LOEC/LOEL	Lowest observed effect concentration/level
MARPOL	MARPOL: International Convention for the prevention of marine pollution from ships
N.O.S.	Not otherwise specified
NOEC/NOEL	No observed effect concentration/level
OECD	Organization for Economic Co-operation and Development
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
TWA	Time weighted average
UN	United Nations
WHO	World Health organisation

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe products in terms of their safety requirements. The above details do not imply any guarantee concerning composition, properties or performance of the product.