

Bayer Environmental Science

Safety Data Sheet

Maxforce® Quantum Liquid Ant Bait



Version / AUS
102000018213

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SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: **Maxforce® Quantum Liquid Ant Bait**
Other names: None
Product code (UVP): 79212690
Recommended use: Insecticide, Ant killer

Chemical formulation: Bait (ready for use) (RB)

Company: Bayer New Zealand Limited
3 Argus Place
Glenfield
Auckland
New Zealand

Telephone: 0800 227 012
Facsimile: 0800 227 011
Website: www.bayeres.com.au
Emergency telephone no.: 0800 734 607 Orica SH&E Shared Services (24 h)

SECTION 2. HAZARDS IDENTIFICATION

HAZARDOUS SUBSTANCE	Emergency Overview	NON-DANGEROUS GOODS
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Hazardous classification: Classified as hazardous according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

HSNO classifications: 9.1C (All), 9.1C (C), 9.4B.
Harmful to aquatic life with long lasting effects.
Toxic to terrestrial invertebrates.

GHS pictograms:

Signal words: None allocated.

R-phrase(s): None allocated.

S-phrase(s): See sections 4, 5, 6, 7, 8, 10, 13.

Dangerous goods classification: "Not dangerous goods" for transport according to NZS 5433:1999, UN, IMDG or IATA - See Section 14.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature: Imidacloprid 0.3 g/kg

Chemical Name	CAS-No.	Concentration [%]
Imidacloprid	138261-41-3	0.03
Other ingredients (non-hazardous) to 100 %		



SECTION 4. FIRST AID MEASURES

In case of poisoning by any exposure route contact the National Poisons and Hazardous Chemicals Information Centre, P.O. Box 913, Dunedin. Phone 0800 764 766, 0800 POISON and follow the advice given. Show this Safety Data Sheet to the doctor.

Workplace facilities

Ensure washing facilities are available.

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

Symptoms

If large amounts are ingested, the following symptoms may occur: Apathy, muscular weakness, respiratory disorder.

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:
Carbon monoxide (CO)

Precautions for fire-fighting

In the event of fire and/or explosion do not breathe fumes.
In the event of fire, wear self-contained breathing apparatus.
Contain the spread of the fire-fighting media.
Do not allow run-off from fire fighting to enter drains or water courses.



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.

Methods for cleaning up

The nature of this product, when contained in commercial packs, makes spillage unlikely. However, if significant amounts are spilled nevertheless, the following advice is applicable. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Collect and transfer the product into a properly labelled and tightly closed container.

- For quantities up to 50 kg of product bury in a secure approved landfill site.
- For quantities greater than 50 kg seek advice from the manufacturer (use emergency contact number) before attempting disposal. Contain in a secure location until disposal method is established.

Decontaminate the spill area with detergent and water and rinse with the smallest volume of water practicable.

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.

Protect from frost.

Keep away from direct sunlight.

Advice on common storage:

Keep away from food, drink and animal feedingstuffs.

Suitable materials:

Polypropylene

Polyethylene film within an outer package

HDPE (high density polyethylene)



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

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

Personal protective equipment – End user

Hand protection: Rubber gloves are recommended as good practice.

Skin and body protection: Cotton overall buttoned to the neck and wrist is recommended as good practice.

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: Highly viscous, gel
Colour: Colourless to yellowish
Odour: Weak, characteristic

Safety data

pH: 4.0 - 6.0 at 10 % (23 °C)

Flash point: No flash point - Determination conducted up to the boiling point.

Ignition temperature: No data available

Autoignition temperature: 380 °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: ca. 1.43 g/cm³ at 20 °C

Water solubility: No data available

Partition coefficient: n-octanol/water: No data available

Viscosity, dynamic: >= 5,400 mPa.s at 20 °C
Velocity gradient 80 /s



Oxidizing properties:	No oxidizing 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:	Extreme heat and fire.
Incompatible materials:	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 (NOx)
Hazardous reactions:	No hazardous reactions when stored and handled according to prescribed instructions.

SECTION 11. TOXICOLOGICAL INFORMATION

Potential health effects

Inhalation:	Due to the nature of the product, inhalation is unlikely to occur.
Skin:	No known effects.
Eye:	Not an eye irritant.

Animal toxicity studies

Acute oral toxicity:	LD ₅₀ (rat) > 2,500 mg/kg Test conducted with a similar formulation.
Acute dermal toxicity:	LD ₅₀ (rat) > 2,000 mg/kg Test conducted with a similar formulation.
Skin irritation:	No skin irritation (rabbit). Test conducted with a similar formulation.
Eye irritation:	No eye irritation (rabbit). Test conducted with a similar formulation.
Sensitisation:	Non-sensitizing (guinea pig). OECD Test Guideline 406, Magnusson & Kligman test Test conducted with a similar formulation.

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

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

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.

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

HSNO classifications

9.1C, 9.4B.
Harmful to aquatic life with long lasting effects.
Toxic to terrestrial invertebrates.

SECTION 13. DISPOSAL CONSIDERATIONS

Product

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

Container

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

SECTION 14. TRANSPORT INFORMATION

According to national and international transport regulations not classified as dangerous goods.



SECTION 15. REGULATORY INFORMATION

EPA approval number: APPROVED PURSUANT TO THE HSNO ACT 1996, No. HSR100039.
See www.epa.govt.nz for approval controls.

ACVM approval: Not applicable.

See also Section 2.

SECTION 16. OTHER INFORMATION

Trademark information

Maxforce® 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.

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