SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

GHS Product identifier:	Vanquish Pro™ Ant Bait
Other means of identification:	None allocated
Recommended use of the product:	Control and eradication of Argentine ants and other ant species.
Supplier's Details:	Bait Technology Ltd, 84 Albany Highway, Greenhithe, Auckland, New Zealand New Zealand Telephone: 09 442 4430 New Zealand Email: info@baittechnology.com
Contact Person:	Mr Murray Towler
Emergency phone numbers:	0800 CHEMCALL™ - 0800 243 622 National Poisons Centre - 0800 764 766
Australian Agent:	Garrards Pty Ltd 32 Kenworth Place Brendale, QLD, 4500 Telephone: +61 7 3881 1693 Facsimile: +61 7 3881 1781
Contact Person:	Mr Craig Warnes
Emergency phone number:	0417 722 006

SECTION 2 HAZARDS IDENTIFICATION

Classification of Product:

This product is classified as an aquatic hazard in accordance with the following classification criteria of the Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Seventh Revised Edition.

Aquatic hazard:

Acute aquatic toxicity Category 1

GHS label elements, including precautionary statements:

Pictogram:



Signal word:	Warning
Hazard statements:	Very toxic to aquatic life
Precautionary statements:	
Prevention:	Read label before use. Avoid release to the environment.
Response:	Collect spillage

Chronic aquatic toxicity Category 1

GHS label elements, including precautionary statements:

Pictogram:



Signal word: Warning

Hazard statements: Chronic: Very toxic to aquatic life with long lasting effects.

Precautionary statement

Prevention: Read label before use.

Avoid release to the environment.

Response: Collect spillage

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Cas No.	Proportion % W/W
Fipronil	120068-37-3	0.006
Non-Hazardous Ingredients	Not applicable	99.99

SECTION 4 FIRST AID MEASURES

The following First Aid directions have been set by the Australian Pesticides and Veterinary Medicines Authority (APVMA) as part of the registration process in Australia:

If poisoning occurs contact a doctor or Poisons Information Centre. Phone Australia 131126; New Zealand 0800 764 766. (*FAISD Handbook, Handbook of First Aid Instructions, Safety Directions, Warning Statements, and General Safety Precautions for, Agricultural and Veterinary Chemicals)*

The following additional information is provided to assist with patients while the directions above are being implemented:

Swallowed

Not likely to cause any adverse symptoms unless in excessive amounts.

Eyes

Hold eye open and rinse slowly and gently with water for 15-20 minutes. If contact lenses are present, remove after first 5 minutes, then continue rinsing eye.

Skin

For extensive contamination, remove contaminated clothing. Rinse skin immediately with plenty of water for 10 minutes.

SECTION 5 FIRE FIGHTING MEASURES

Fire and explosion hazards:

Not flammable or explosive. Combustible in fire conditions.

Suitable extinguishing media:

Foam. Hazchem 3Z.

Hazards from combustion products:

Will give off moderately toxic vapours. Persons who have been exposed to smoke should be checked by a doctor for symptoms of poisoning.

Special protective precautions and equipment for fire fighters:
Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Evacuate unprotected personnel.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Emergency procedures:
Contain spillages. DO NOT allow spilled product or residue to enter a public sewer, waterway, creek, stream or lake!

Methods and materials for containment and clean up:
If Vanquish Pro™ Ant Bait is spilled on the ground in an area not intended for ant control or in amounts in excess of the label instructions; the spilled area should be scraped clean and placed in a disposal container for disposal at an approved hazardous waste disposal site.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling:
DO NOT TRANSFER THIS PRODUCT TO ANOTHER CONTAINER FOR USE OR STORAGE
The following Safety Directions have been set for this product by the APVMA as part of the registration process in Australia:
May irritate the eyes and skin. Avoid contact with eyes and skin. Wash hands after use.

Conditions for safe storage, including any incompatibilities:
Store below 30ºC (Room Temperature) in the closed original container away from children, animals, food, feedstuffs, seed and fertilisers. Do not store in direct sunlight.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

National exposure standards: None set
Engineering controls: Natural ventilation only required.
Personal protective equipment:
Eye / Face Protection
A minimum of safety glasses with side shields should be worn when working in industrial environments.
Body Protection
Skin contact should be minimised by wearing gloves and long-sleeved clothing. Contaminated clothing must be washed before re-use, or disposed of.
Respiratory Protection
Not normally required unless hazardous quantities of dust are present. An OSH - approved dust mask should be adequate.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Pale green creamy paste
Odour:	Essentially odourless

Solubility:	Disintegrates to an insoluble suspension in water
pH:	7
Decomposition temperature:	> 100^{o}C

SECTION 10 STABILITY AND REACTIVITY

Stability:

Chemical:	Stable in intact packaging for at least 2 years.
Bacterial:	Contains natural products subject to bacterial decomposition over several days when exposed to air
Conditions to avoid:	Direct sunlight and temperatures above 40^{o}C
Incompatible materials:	Strong oxidising agents such as free chlorine, nitrites, nitrates, peroxides
Hazardous decomposition products:	None known
Hazardous reactions:	Will not polymerise or react violently when opened.

SECTION 11 TOXICOLOGICAL INFORMATION

Routes of Exposure:

Exposure to Vanquish Pro may occur through ingestion and skin contact. The major route of exposure is expected to be skin contact. There are no toxicology data available for Vanquish Pro. Information has been provided for fipronil.

Acute toxicity:

Acute oral LD_{50}	Rats	>2000 mg/kg (Technical grade Fipronil 97 mg/kg)
Acute dermal LD_{50}	Rabbits	>3540 mg/kg
Skin Irritation		Non-irritant
Eye Irritant		Physical irritant only
Sensitisation		Not sensitizing

Summary of Toxicology:

Vanquish Pro Ant Bait has a very low mammalian toxicity and extremely high consumption would be required to achieve toxicity.

Other information:

In a chronic toxicity study, rats receiving the highest dose of Fipronil showed an increased incidence of thyroid tumours. The rat thyroid gland is very sensitive to chemicals and functions differently from the human thyroid, and therefore, Fipronil is not considered to pose an increased risk of cancer to humans. Similar studies in mice and dogs did not show an increased incidence of thyroid tumours. Fipronil is not mutagenic and not teratogenic.

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity:

Fish:	Rainbow Trout LC_{50} – 2460 mg/L (96 hr)
Aquatic invertebrates	Daphnia LC_{50} – 1900 mg/L (48 hr)
Molluscs	Oysters LC_{50} – 7700 mg/L (96 hr)
Bees:	Honeybee LC_{50} – 40 g/bee

Persistence and degradability:

The fipronil active of Vanquish Pro Ant Bait binds to soil and has little potential for groundwater contamination.

Similarly, the fipronil active of Vanquish Pro Ant Bait is stable to breakdown by water. It degrades with a half-life of 28 days.

Environmental Exposure Limits:

Marine water – 0.22 ng / L (ERMA NZ)

Fresh water – 78 ng / L

Environmental Precautions:

Fipronil is extremely toxic to fish and aquatic Invertebrates. This effect will be apparent in the quantities present in Vanquish Pro Ant Bait.

DO NOT allow Vanquish Pro Ant Bait to wash into sewers, streams, waterways, lakes, rivers or the sea.

The bait is not to be used in a horticultural or agricultural environment where it could cause residues to occur in edible or export crops.

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal methods for product and containers:

Empty tubes must be rendered non-hazardous to the environment by depositing at an approved landfill or mixing with an inert substance that reduces the residual bait concentration to a negligible level.

Empty tubes must not be disposed of where any remaining content could leach into sewers, waterways, streams, creeks, or the sea.

DO NOT REUSE EMPTY CONTAINERS

Special precautions for landfill or incineration:

Consult your local government authority before disposing of this product. Do not burn product or containers. Observe precautions applicable for storage and clean-up of accidental spills.

SECTION 14 TRANSPORT INFORMATION

Considered dangerous goods for transport under The Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) and IATA Dangerous Goods Regulations

UN Number:	3077
UN Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE SOLID, N.O.S. (FIPRONIL)
Class and subsidiary risk Class:	9
Packing Group Packaging Group:	III
Hazchem Code:	3Z

SECTION 15 REGULATORY INFORMATION

This product has been registered by the Australian Pesticides and Veterinary Medicines Authority (APVMA). In granting registration to any product, the APVMA has exercised its legislative responsibility to ensure that the product is suitably formulated and properly labelled and, when used according to instructions is:

- safe to the host, the user, consumers and the environment;
- efficacious (that is, the product does the job it claims it shall do); and
- not unduly prejudicial to trade.

The APVMA uses the services of a number of Australian and State government agencies as advisers to help with some of these evaluations of applications for registration of agricultural and veterinary chemical products. These include:

- the Office of Chemical Safety (OCS) of the Commonwealth Department of Health which:
  - evaluates and reports on toxicology and metabolism studies; proposes first aid and safety directions; determines poison schedule classifications; and establishes acceptable daily intakes (ADIs) and acute reference doses (ARfD); and
  - evaluates the occupational health and safety aspects of an application and recommends safety directions and occupational controls on use and advises on a Safety Data Sheet (MSDS);
- the Commonwealth Department of the Environment and Energy which evaluates environmental data and recommends appropriate use controls and instructions for the product that will protect the environment; and
- State and Territory departments responsible for agricultural and primary industries which evaluate and reports on efficacy and target crop or animal safety data for new agricultural chemicals and new uses of registered products. In some cases the APVMA contracts this work out to other agencies such as universities, the CSIRO or to other experts.

Fipronil as presented in this context is included in Schedule 6 of the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

SECTION 16 OTHER INFORMATION

SDS version:	2
Date of Revision:	June 2022
Update of sections:	N/A

CONTACT POINT Mr Craig Warnes, Marketing & Products Manager
B/Hrs Phone: 61 7 3881 1693; A/Hrs: 0417 722 006

References:

1. FAISD Handbook, Handbook of First Aid Instructions, Safety Directions, Warning Statements, and General Safety Precautions for, Agricultural and Veterinary Chemicals, (as updated)
2. Preparation of safety data sheets for hazardous chemicals, Code of Practice, May 2018
3. AICS (Australian Inventory of Chemical Substances), Safe Work Australia
4. APVMA Manual of Requirements and Guidelines for Agricultural Chemicals, Version 4.1, (as updated)
5. ADI [Acceptable Daily Intake] List, Therapeutic Goods Administration, Australian Government Department of Health, (as updated)
6. The Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) 7th Edition
7. The Poisons Standard (Standard for the Uniform Scheduling of Medicines and Poisons – SUSMP) (as updated), Therapeutic Goods Administration, Australian Government Department of Health
8. Hazardous Chemicals Information System (HCIS), Safe Work Australia (as updated)
9. Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Seventh Revised Edition, United Nations, New York and Geneva, 2017
10. NIOSH Pocket Guide to Chemical Hazards
11. Chemical Classification and Information Database (CCID) (as updated), New Zealand Environmental Protection Authority, http://www.epa.govt.nz/search-databases/Pages/HSNO-CCID.aspx

NOTICE

Information for this product is believed to be reliable, however buyer and user assume all risk of use, handling and storage whether in accordance with directions or not.

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