

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME

Vanquish Pro™ Ant Bait

RECOMMENDED USE

Control and eradication of nuisance ants and other urban and environmental pest ant species.

Not for agricultural or horticultural use.

COMPANY IDENTIFICATION

Bait Technology Ltd.

Phone: +64 9 442 4430

84 Albany Highway Greenhithe, Auckland, New Zealand, 0632.

PO Box 100287, North Shore, Auckland, 0745

EMERGENCY TELEPHONE NUMBERS 24 HRS

0800 CHEMCALL™

0800 243 622

National Poisons Centre

0800 764 766

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.

Acute aquatic toxicity: Category 1. H400

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. H410

GHS label elements, including precautionary statements:

Pictogram:

Signal word:

Warning

Hazard statements:

Very toxic to aquatic life with long lasting effects.

Precautionary statement

Prevention:

Read label before use.

Avoid release to the environment.

Response:

Collect spillage



Hazardous to terrestrial invertebrates:

No other signal words, hazard or precautionary statement required.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients:	CAS no.	Proportion % W/W
Fipronil	120068-37-3	0.01%
Non-Hazardous Ingredients	Not Applicable	99.99%

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre. New Zealand 0800 764 766

Swallowed: Not likely to cause any adverse symptoms unless in excessive amounts. Seek medical advice if patient is distressed.

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. Call for medical advice if irritation persists.

Skin: For extensive contamination, remove contaminated clothing. Rinse skin immediately with plenty of water for 10 minutes. Call for medical advice if adverse symptoms are evident or patient is distressed.

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.

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.

7. HANDLING AND STORAGE

Precautions for safe handling: DO NOT transfer this product to another container for storage. Avoid contact with eyes and skin. Wash hands after use.

Conditions for safe storage, including any incompatibilities: Store in the closed original container in a cool, well-ventilated place away from children, animals, food, feedstuffs, seed and fertilisers. DO NOT store in direct sunlight.

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. A standard - approved dust mask should be adequate.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Pale green creamy paste
Odour:	Slight
Odour threshold:	No data
pH value:	7
Melting point/freezing point:	0°C
Initial boiling point and boiling range:	No data
Flash point:	>100°C
Flammability (solid, gas):	Not flammable
Upper/lower flammability or explosive limits:	Not explosive
Vapour pressure:	No data
Vapour density:	No data
Relative density:	No data
Solubility:	Disintegrates to an insoluble suspension in water
Partition coefficient: n-octanol/water:	No data
Auto-ignition temperature:	No data
Decomposition temperature:	>100°C
Kinematic viscosity:	No data
Particle characteristics.	No data

10. STABILITY AND REACTIVITY

Chemical Stability: Stable in intact packaging for at least 2 years. Will not polymerise or react violently when opened.

Bacterial Stability: Contains natural products subject to bacterial decomposition over several days when exposed to air

Conditions to Avoid: Direct sunlight and temperatures above 40°C

Incompatibility: 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.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Assessment of acute toxicity: Of low toxicity after single ingestion. Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation.

LD₅₀ rat (oral): 4,400 mg/kg (OECD Guideline 401)

LC₅₀ (by inhalation): The product has not been tested. The statement has been derived from the properties of the individual components. Fipronil: Experimental/calculated data: LC₅₀ rat (by inhalation): 0.36 mg/l 4 h (OECD Guideline 403)
Tested as dust aerosol.

LD₅₀ rat (dermal): > 5,000 mg/kg (OECD Guideline 402)

Skin corrosion/irritation: Not irritating to the skin.

Serious eye damage/eye irritation: Not irritating to the eyes.

Respiratory or skin sensitisation: There is no evidence of a skin-sensitizing potential.

Germ cell mutagenicity: The product has not been tested. The statement has been derived from the properties of the individual components. Mutagenicity tests revealed no genotoxic potential.

Carcinogenicity: Assessment of carcinogenicity: The product has not been tested. The statement has been derived from the properties of the individual components. Information on: Fipronil: Assessment of carcinogenicity: In long-term studies in rats the substance induced thyroid tumours. The effect is caused by an animal specific mechanism that has no human counter-part. In long-term studies in mice in which the substance was given by feed, a carcinogenic effect was not observed. Fipronil is not mutagenic and not teratogenic.

Reproductive toxicity: Assessment of reproduction toxicity: The product has not been tested. The statement has been derived from the properties of the individual components. The results of animal studies gave no indication of a fertility impairing effect.

Specific target organ toxicity – single exposure: Assessment of STOT single: The product has not been tested. The statement has been derived from the properties of the individual components. Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Specific target organ toxicity – repeated exposure: Assessment of repeated dose toxicity: The product has not been tested. The statement has been derived from the properties of the individual components. Information on: Fipronil: Assessment of repeated dose toxicity: Causes mortality and signs of neurotoxicity through prolonged or repeated exposure.

Aspiration hazard. Assessment of aspiration hazard: The product has not been tested. The statement has been derived from the properties of the individual components. No aspiration hazard expected.

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

12. ECOLOGICAL INFORMATION

Ecotoxicity (aquatic and terrestrial):

Assessment of aquatic toxicity: Very toxic to aquatic life with long lasting effects.

Assessment of terrestrial toxicity: Hazardous to terrestrial invertebrates:

The product has not been tested. The statement has been derived from the properties of the individual components.

Toxicity to fish: *Oncorhynchus mykiss* (Rainbow Trout) LC₅₀ 0.25 mg/L (96 hr)

Toxicity to aquatic invertebrates: *Daphnia magna* EC₅₀ 0.19 mg/L (48 hr)

Mysidopsis bahia LC₅₀ 0.00014 mg/L (96 hr)

Toxicity to aquatic plants: *Desmodesmus subspicatus* (green algae) EC₅₀ 0.068 mg/l (72 hr)

Persistence and degradability: Fipronil: Not rapidly biodegradable. KOC Fipronil: 427 – 1278 L/kg.

Potential to be bioaccumulative: Fipronil: BCF 321. Does not bioaccumulate

Mobility in soil: Fipronil: Slightly mobile in soil, therefore contamination of groundwater is not expected.

PBT and vPvB assessment: Fipronil: 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).

Other adverse effects: Not available.

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.

Consult your local government authority before disposing of this product. Do not reuse empty containers. Do not burn empty containers or product.

14. TRANSPORT INFORMATION

UN number: UN 3082

UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains Fipronil)

Transport hazard class(es) / UN DG Class: 9, (EHSM)

Packing group: III

Environmental hazards: Marine pollutant

HAZCHEM: 3Z

IERG Number: 47

Special precautions when transporting the substance:

None known

15. REGULATORY INFORMATION

HSNO Approval Number: HSR000111
ACVM Registration: Exempt from registration under the ACVM Act.
Ministry for Primary Industries Approvals Approved Maintenance Compound Type D-72. (All animal product except dairy).

Tolerable Exposure Limit or Environmental Exposure Limit:

Set by EPA NZ: EEL_{marine water} 0.22 ng/L EEL_{fresh water} 78 ng/L

16. OTHER INFORMATION**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.

Bait Technology Ltd and its agents give no guarantee or warranty of any kind expressed or implied concerning the use of this product and will not accept any responsibility whatsoever whether in contract or tort for any loss including consequential loss arising out of the use of this product or caused by this product.