

## 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

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

LD<sub>50</sub> rat (oral): 4,400 mg/kg (OECD Guideline 401)

LC<sub>50</sub> (by inhalation): The product has not been tested. The statement has been derived from the properties of the individual components. Fipronil: Experimental/calculated data: LC<sub>50</sub> rat (by inhalation): 0.36 mg/l 4 h (OECD Guideline 403)  
Tested as dust aerosol.

LD<sub>50</sub> 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) LC<sub>50</sub> 0.25 mg/L (96 hr)

**Toxicity to aquatic invertebrates:** *Daphnia magna* EC<sub>50</sub> 0.19 mg/L (48 hr)

*Mysidopsis bahia* LC<sub>50</sub> 0.00014 mg/L (96 hr)

**Toxicity to aquatic plants:** *Desmodesmus subspicatus* (green algae) EC<sub>50</sub> 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<sub>marine water</sub> 0.22 ng/L EEL<sub>fresh water</sub> 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.