

## MATERIAL SAFETY DATA SHEET

Date of Preparation: July 2015

### VANQUISH PRO™ ANT BAIT

#### 1. PRODUCT AND COMPANY IDENTIFICATION

##### PRODUCT NAME

Vanquish Pro™ Ant Bait

##### RECOMMENDED USE

Control and eradication of Argentine ants and other ant species.

##### COMPANY IDENTIFICATION

Bait Technology Ltd,  
42B Ellice Rd, Glenfield, Auckland,  
Phone: 09 443 9219  
Fax: 09 443 5083

##### EMERGENCY TELEPHONE NUMBERS 24 HRS

0800 CHEMCALL™            0800 243 622  
National Poisons Centre    0800 764 766

#### 2. HAZARDS IDENTIFICATION

##### HSNO Classification

9.1A Very toxic to the aquatic environment with long lasting effects,  
9.4C Toxic to terrestrial invertebrates



**Appearance** .....Pale green moist paste  
**Health Hazards** .....No human health hazards when used as directed on the label  
**Skin Irritant** .....Non-irritant  
**Eye Irritant** .....Physical irritant only  
**Sensitisation** .....Not sensitizing  
**Flammability** .....Not flammable  
**Corrosiveness** .....Not corrosive

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Hazardous Ingredients	Wt%
Fipronil	0.01
Non Hazardous Ingredients	99.99

CAS NO.      **120068-37-3**

**4. FIRST AID MEASURES****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****Flash Point**

100 °C

**Fire and explosion hazards**

Not flammable or explosive

**Fire Fighting Instructions**

Hazchem 3Z

Combustible in fire conditions.

Will give off moderately toxic vapours.

Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

Evacuate unprotected personnel

Persons who have been exposed to smoke should be checked by a physician for symptoms of poisoning.

## 6. ACCIDENTAL RELEASE MEASURES

### SPILLS AND DISPOSAL

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.

**DO NOT allow the spill or scraped residue to enter a public sewer, waterway, creek, stream or lake!**

## 7. HANDLING AND STORAGE

**Handling** Avoid prolonged contact with skin and eyes. Avoid breathing dust.

**Storage** Do not contaminate water, food, or feed by storage or disposal.

**DO NOT TRANSFER THIS PRODUCT TO ANOTHER CONTAINER FOR USE OR STORAGE**

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Engineering Controls

The following controls are indicated where a potential for excessive exposure is indicated such as manufacture, packaging or widespread application.

### 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.

### Exposure Limits

None established

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	pale green
<b>Physical State</b>	creamy paste
<b>Odour</b>	essentially odourless
<b>pH</b>	7
<b>Solubility</b>	disintegrates to an insoluble suspension in water
<b>Decomposition temperature</b>	> 100°C

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable in intact packaging for at least 2 years. Will not polymerise or react violently when opened.
<b>Bacterial Stability</b>	Contains natural products subject to bacterial decomposition over several days when exposed to air
<b>Conditions to Avoid</b>	Direct sunlight and temperatures above 40°C
<b>Incompatibility</b>	Strong oxidising agents such as free chlorine, nitrites, nitrates, peroxides

## 11. TOXICOLOGICAL INFORMATION

<b>Acute Oral Toxicity</b>	LD <sub>50</sub> Rat (oral) >2000 mg/kg (Technical grade Fipronil 97 mg/kg)
<b>Acute Dermal Toxicity</b>	LD <sub>50</sub> Rabbit >3540 mg/kg
<b>Skin Irritation</b>	Non-irritant
<b>Eye Irritant</b>	Physical irritant only
<b>Sensitisation</b>	Not sensitizing

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.

## 12. ECOLOGICAL INFORMATION

### 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.

<b>Ecological Toxicity</b>	Rainbow Trout LC <sub>50</sub> 2460 mg/L (96 hr)
	Daphnia LC <sub>50</sub> 1900 mg/L (48 hr)
	Oysters LC <sub>50</sub> 7700 mg/L (96 hr)
	Honeybee LC <sub>50</sub> 40 µg/bee

### Environmental Fate

**Soil** The Fipronil active of Vanquish Pro™ Ant Bait binds to soil and has little potential for groundwater contamination.

**Water** 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

EEL<sub>marine water</sub> 0.22 ng / L (ERMA NZ)  
EEL<sub>fresh water</sub> 78 ng / L

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.

## 13. DISPOSAL CONSIDERATIONS

Empty tubes must be rendered non-hazardous to the environment by incineration, 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**

#### 14. TRANSPORT INFORMATION

Where Vanquish Pro™ Ant Bait is transported in multiple packaging and the outer packaging obscures the tube label information the outer packaging must:

- be clearly labelled with information showing that Vanquish Pro™ Ant Bait is ecotoxic with respect to aquatic organisms or
- labelled or marked in compliance with either the Land Transport Rule 45001, Civil Aviation Act 1990 or the Marine Safety Act 1994 as relevant, or
- display an EU “Dangerous to the Environment” pictogram or bear the relevant class or subclass label assigned by the UN Model Regulations
- UN Number 3082
- DG Class 9



#### 15. REGULATORY INFORMATION

EPA Manufacturing Approval no. HSR000111

#### 16. OTHER INFORMATION

**Date: July 2015**

#### **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.