

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** ANTOFF FIPRONIL ANT BAIT

**Recommended Use:** For the control of invasive ants.  
Not for domestic use. Use under permit only.

### Supplier Details

**Company:** Animal Control Technologies (Australia) Pty Ltd  
**Address:** 46-50 Freight Drive Somerton Vic 3062, Australia  
**Telephone number:** 03 9308 9688 (Monday to Friday, 8:00a.m. – 5:00p.m.)  
**Emergency telephone number:** Poisons Information Centre 13 11 26 (24 hours)

## 2. HAZARDS IDENTIFICATION

**Hazard classification:** Not classified as a hazardous substance. Concentration of active ingredient in finished bait is below the lowest cut off level for classification as a hazardous substance according to the Australian Safety and Compensation Council.  
Not classified as a dangerous good according to the Australian code for the transport of Dangerous goods.

**Risk phrase(s):** None

**Safety phrase(s):** None

**Poisons schedule number:** Unscheduled. (Technical grade fipronil is S5)

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Ingredients

<b>Chemical Name:</b>	<b>CAS Number:</b>	<b>Proportion (w/w):</b>
Fipronil	120068-37-3	0.01g/kg (0.001% or 10ppm)
Other ingredients not determined to be hazardous		up to 100%

## 4. FIRST AID MEASURES

**First aid:** If poisoning occurs, contact a doctor or Poisons Information Centre. Have this MSDS or the label with you. Consult a doctor as needed.

**Swallowed:** If swallowed do not induce vomiting. Give a glass of water. Immediately contact poisons information centre.

**Eye:** Flush eyes with copious amounts for water for 15min and consult a doctor as needed.

**Skin:** Avoid skin contact. May cause skin irritation. Remove contaminated clothing and wash affected area with soap and water. Contact a doctor as needed.

**Inhaled:** May irritate the throat and nose and cause coughing. Remove from exposure to fresh air.

**Advice to doctor:** The amount of fipronil in this product is 0.001% and is well below 0.2%, which is the cut off to classification for a hazardous substance. Fipronil is a reversible gamma-aminobutyric (GABA) receptor inhibitor. During intoxication it will induce neurological stimulation with possible convulsions. Fipronil is slow to absorb through the gut and symptoms may be delayed by several hours to a day. Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

Fire & explosion hazards: Bait is not readily combustible.  
Suitable extinguishing media: Carbon dioxide, water, dry agent, foam.  
Hazards from combustion: None known  
Special protective equipment: Fire fighters should wear full protective gear including self contained breathing apparatus. (AS/NZS 1715, 1716).

## 6. ACCIDENTAL RELEASE MEASURES

Spills and Disposal: Wear protective clothing including gloves to avoid contact with skin when cleaning up spills. Sweep up any spilled baits and dispose of in a marked and sealed container. Field persistence of fipronil is low to moderate with a half life water of 10-130h and soil of 45-530h. Do not dispose of spiled bait into subsoil/soil or into surface water/ground water.

## 7. HANDLING AND STORAGE

Precautions for safe handling: To avoid risks for man and environment the instructions for use on the product label are to be followed. Avoid all contact with the product and wear protective clothing and gloves.

Conditions for safe storage: Store in the closed, original container in a dry, cool, well ventilated area out of direct sunlight. Store in a locked room or place, away from children, animals, food, feedstuffs, seed and fertilisers and ignition sources. Fipronil is stable in normal temperatures for one year.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National exposure standards: No occupation exposure standards have been established for the product.  
Biological limit values: No biological limit allocated.  
Engineering controls: The formulation of this product decreases the concentration of the active ingredient.  
Personal protective equipment: Avoid contact with skin. Wear rubber gloves when handling bait.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Brown small granule with a fish like odour  
pH: Not available  
Vapour pressure: Not applicable  
Vapour density: Not applicable  
Boiling point / range: Not applicable  
Freezing / melting point: Not available  
Solubility in water: 1.9mg/L at 20°C (Technical fipronil)

## 10. STABILITY AND REACTIVITY

Chemical stability:	Stable for extended time (>1 year) under normal storage and handling conditions less than 30°C.
Incompatible materials:	Fipronil is not stable in the presence of metal ions.
Hazardous decomposition products:	Fipronil is degraded by sunlight to produce a variety of metabolites one of which is fipronil-desulfinyl (MB 46513), which is more toxic than the parent compound.
Hazardous reactions:	No dangerous reactions known under normal conditions and use.

## 11. TOXICOLOGICAL INFORMATION

*Acute:* Fipronil is a moderately hazardous pesticide and is classed by the WHO Class II pesticide. The low concentration in this product and the low application rate make this product non-hazardous by Australian worksafe standards. Fipronil has an oral LD<sub>50</sub> value in rats of 97mg/kg and a dermal LD<sub>50</sub> value of >2000mg/kg. Human toxicity data is not available. To absorb an LD<sub>50</sub> dose for a 200g rat the rat would need to eat approximately 194g of bait.

*Chronic:* Fipronil is not mutagenic or teratogenic. In a chronic toxicity study fipronil caused an increase in the incidence of thyroid cancers in rats given the highest dose. The rat thyroid is more sensitive to chemical than the human thyroid and it is not considered to pose a risk of increased incidence of thyroid cancer in humans.

## 12. ECOLOGICAL INFORMATION

Do not contaminate streams, rivers or waterways with the chemical or used containers. Fipronil is highly toxic to fish and aquatic organisms and dangerous to bees. Fipronil is non-toxic to earth worms.

Persistence and degradability: Field persistence of fipronil is low to moderate in soil and water. Fipronil has low mobility in soil when in water quickly settles into the sediment.

## 13. DISPOSAL CONSIDERATIONS

Triple rinse and bury rinsate and empty containers in a local authority landfill. If no landfill is available, bury the containers below 0.5m in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers should not be burnt. Do NOT re-use containers for any other purpose.

## 14. TRANSPORT INFORMATION

This product is not classified as a dangerous good according to the Australian Dangerous Goods Code 7<sup>th</sup> Edn. (2007).

UN number:	Not applicable	UN proper shipping name:	Not applicable
Dangerous Goods Class:	Not applicable	Subsidiary Risk:	Not applicable
Packing group:	Not applicable	Hazchem code:	Not applicable

## 15. REGULATORY INFORMATION

Poisons schedule number: Finished bait is unscheduled. (Technical grade fipronil is S5)

## 16. OTHER INFORMATION

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Date of Preparation of this MSDS: 2<sup>nd</sup> September 2009

This Material Safety Data Sheet (MSDS) has been developed using the following references:

National Code of Practice for the Preparation of Material Safety Data Sheets 2<sup>nd</sup> Edn. [NOHSC:2011(2003)]

Australian Dangerous Goods Code 7<sup>th</sup> Edn. (2007)

Fipronil – Pestacides database, [www.pan-uk.org/pestnews/Actives/fipronil.htm](http://www.pan-uk.org/pestnews/Actives/fipronil.htm)

**The physical values and properties described in this MSDS are typical values based on scientific literature and material produced to date, and are believed to be reliable. Animal Control Technologies provides no warranties, either expressed or implied and assumes no responsibility for the accuracy or completeness of the data contained herein. The information is supplied upon the condition that the persons receiving information will make their own determination as to the suitability for their purposes prior to use of this product. Due care should be taken to ensure that the use of this product and its disposal is in compliance with all relevant Federal, State and Local Government regulations.**

**End of MSDS**