

MATERIAL SAFETY DATA SHEET

Xstinguish™ ARGENTINE ANT BAIT

1. Product Name and Company Identification

Product: Argentine Ant Bait
Chemical Name/ Class: Fipronil
ERMA Approval No.: HSR000111
Product Use: control and eradication of argentine ants and other ant species
New Zealand Supplier: Key Industries Ltd
Address: P O Box 40671, Glenfield, Auckland, NZ.
Telephone: 64 9 483 5526
Emergency Telephone:
New Zealand: 0800 764 766
Date of MSDS Preparation: May 2004

2. Composition / Information on Ingredients

Hazardous Ingredients	Wt%	CAS No.
Fipronil	0.01	1200068-37-3
Non Hazardous Ingredients	99.99	

3. Hazards Identification

Appearance: pale green moist paste
Health Hazards: No human health hazards when used as directed on the label
Flammability: Not flammable
Corrosiveness: Not corrosive
Ecotoxicity: Harmful to fish and aquatic invertebrates

4. First Aid Measures

Eye: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, 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.

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

5. Fire Fighting Measures

Flash Point	> 100 °C
Fire and explosion hazards	Not flammable or explosive
Fire Fighting Instructions	Hazchem 2XE 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

Land Spill or Leaks	If Xstinguish 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!
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7. Handling and Storage

Handling	Avoid prolonged contact with skin and eyes. Avoid breathing dust.
Storing Procedures	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.
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Exposure Limits	none established
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9. Physical and Chemical Properties

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

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 Temperatures above 40°C
Incompatibility	Strong oxidising agents such as free chlorine, nitrites, nitrates, peroxides

11. Toxicological Information

Acute Oral Toxicity	LD ₅₀ Rat (oral) 970 mg / kg (Xstinguish™) (Technical Fipronil 97 mg / kg)
Acute Dermal Toxicity	LD50 Rabbit 3540 mg / kg (Xstinguish™)
Skin Irritation	Non-irritant
Eye Irritant	Physical irritant only
Sensitisation	Not sensitizing

14. Ecological Information

Environmental Precautions	Fipronil is extremely toxic to fish and aquatic Invertebrates. This effect will be apparent in the quantities present in Xstinguish™ Argentine Ant Bait. DO NOT allow Xstinguish™ Argentine Ant Bait to wash into sewers, streams, waterways, lakes, rivers or the sea.
Ecological Toxicity	Rainbow Trout LC ₅₀ 2460 mg / L (96 hr) Daphnia LC ₅₀ 1900 mg / L (48 hr) Oysters LC ₅₀ 7700 mg / L (96 hr) Honeybee LC ₅₀ 40 µg / bee
Environmental Fate	
Soil	The Fipronil active of Xstinguish™ Argentine Ant Bait binds to soil and has little potential for groundwater contamination.
Water	The Fipronil active of Xstinguish™ Argentine Ant Bait is stable to breakdown by water. It degrades with a half-life of 28 days.
Environmental Exposure Limits (ERMA NZ)	EEL _{marine water} 0.22 ng / L EEL _{fresh water} 78 ng / L

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 Xstinguish™ Argentine Ant Bait is transported in multiple packaging and the outer packaging obscures the tube label information the outer packaging must

- be clearly labeled with information showing that Xstinguish™ Argentine Ant Bait is ecotoxic with respect to aquatic organisms or
- labeled 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

15. Regulatory Information

ERMA Manufacturing Approval no. HSR000111

16. Other Information

Xstinguish™ Argentine Ant Bait has a very low mammalian toxicity and extremely high consumption would be required to achieve toxicity.

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.