SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: TOPBAIT PLUS Small Hive Beetle & Cockroach Bait

Other Names: Topbait
Use: A crevice, crack or spot treatment for the control of small hive beetles and cockroaches.
Company: TERMSEAL AUSTRALIA PTY LTD
Address: 8 Trade Cct, Wauchope, NSW,2446
Telephone Number: 1300 657 822 **Fax Number:**
Emergency Telephone Number: 13 11 26 (All hours - Australia wide).

SECTION 2 HAZARDS IDENTIFICATION

Not classified as hazardous according to criteria of Safe Work Australia. #
Not classified as a Dangerous Good according to the ADG Code.

Under Safe Work Australia this product is not classified as a hazardous substance. Under the Globally Harmonised System (GHS) this product is a hazardous substance with the following environmental classification:

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Ingredients	CAS No	Conc,%
Fipronil	120068-37-3	0.05
Other non-hazardous food ingredients		secret

SECTION 4 FIRST AID MEASURES

General Information:
You should call The Poisons Information Centre if you feel that you may have been poisoned or irritated by this product. The number is 13 11 26 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this MSDS with you when you call.

Inhalation: First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Skin Contact: Irritation is not expected. If any unusual symptoms become evident, or if in doubt, wash skin with soap and water. If symptoms persist, contact a Poisons Information Centre or a doctor.

Eye Contact: Gently remove gel from eyes. If irritation does occur, flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes.

Ingestion: If product is swallowed or gets in mouth, wash mouth with water and spit out. Contact Poisons Information Centre or a doctor.

Fipronil is a reversible gamma-aminobutyric (GABA) receptor inhibitor. During intoxication it will

induce neurological stimulation with possible convulsions. Treat symptoms. No specific antidote known. Phenobarbital, and to a lesser extent, benzodiazepines, have been shown experimentally to be effective in preventing convulsions induced by fipronil. Due to slow absorption of fipronil through the gut, symptoms of intoxication may be delayed several hours to one day. Absorption may be decreased by the use of gastric lavage, saline purgative and activated charcoal (possible enterohepatic recirculation). Continue monitoring due to slow elimination of the compound.

SECTION 5 FIRE FIGHTING MEASURES

Fire and Explosion Hazards: There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

Extinguishing Media: Preferred extinguishing media are carbon dioxide, dry chemical, foam, water fog.

Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade.

Flash point: Not flammable.
Upper Flammability Limit: Does not burn.
Lower Flammability Limit: Does not burn.
Auto ignition temperature: Does not burn. **Flammability Class:** Does not burn

SECTION 6 ACCIDENTAL RELEASE MEASURES

Accidental release: In the event of a major spill, prevent spillage from entering drains or water courses. As a minimum, wear overalls and gloves. Suitable materials for protective clothing include rubber. Contain spill. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Recycle containers wherever possible after careful cleaning. Refer to product label for specific instructions. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. Full details regarding disposal of used containers, spillage and unused material may be found on the label. If there is any conflict between this MSDS and the label, instructions on the label prevail.
Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry

SECTION 7 HANDLING AND STORAGE

Handling: Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this MSDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.
Storage: Keep containers dry and away from water. Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. Check packaging - there may be further storage instructions on the label.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

The following Australian Standards will provide general advice regarding safety clothing and equipment: Respiratory equipment: AS/NZS 1715, Protective Gloves: AS 2161, Industrial Clothing: AS2919, Industrial Eye Protection: AS1336 and AS/NZS 1337, Occupational Protective Footwear: AS/NZS2210. Exposure limits have not been established by NOHSC for any of the significant ingredients in this product. No special equipment is usually needed when handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Ventilation: No special ventilation requirements are normally necessary for this product.

Eye Protection: Eye protection is not normally necessary when this product is being used. However, if in doubt, wear suitable protective glasses or goggles.

Skin Protection: The information at hand indicates that this product is not harmful and that normally no special skin protection is necessary.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical Description & colour:	Brown gel.
Odour:	Negligible.
Boiling Point:	About 100°C.
Freezing/Melting Point:	Expected to be about 0°C.
Volatiles:	No specific data.
Vapour Pressure:	Negligible at normal ambient temperatures.
Water Solubility:	Largely insoluble.
Ph value:	approx. 5 - 7 (10g/l, 21°C)
Volatility:	Negligible at normal ambient temperatures.

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: Stable (at atmospheric pressure at room temperature).
Conditions to avoid: Direct sunlight and high temperatures, strong oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide gas, nitrogen oxide logistics, logistics oxidant, hydrogen fluoride, hydrogen chlorine gas.
The possibility of hazardous materials response

- **Incompatible materials:** strong alkalis, strong acids and strong oxidizers.
- **Hazardous Polymerization:** Will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

Toxicity: Acute dermal: low, LD50 >2000 mg/kg bw (rabbit),

Acute inhalation: LC50 (4 hr) >1.7 mg/L (Rat)

Acute inhalation: LC50 (1 hr, calculated) >6.8 mg/L (Rat)

Skin Sensitisation: Non-sensitizing

SECTION 12 ECOLOGICAL INFORMATION

Environmental Toxicology: Non-toxic to earthworms. Fipronil has low mobility in soil. Toxic to fish and aquatic organisms.

Do NOT apply to areas where surface water is present. Rinse waters and run-off from treated areas MUST be prevented from entering drains or waterways. Do NOT contaminate streams, rivers or waterways with the chemical or used containers.

Environmental Properties: Not Known.

SECTION 13 DISPOSAL CONSIDERATIONS

Spills & Disposal: Must be disposed of or incinerated in accordance with local regulations. Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

SECTION 14 TRANSPORT INFORMATION

Transport: TOPBAIT Gel Cockroach Bait is not classified as a Dangerous Good.
It is good practice not to transport this product with food, food related materials and animal feedstuffs.

SECTION 15 REGULATORY INFORMATION

R-phrase(s)

R52/53	Harmful to aquatic organisms may cause long-term adverse effects in the aquatic environment.

S-phrase(s)

S2	Keep out of the reach of children.
S13	Keep away from food, drink and animal feeding
stuffs. S20/21	When using do not eat, drink or smoke.
S35	This material and its container must be disposed of in a safe
way. S49	Keep only in the original container.
S57	Use appropriate container to avoid environmental

contamination. Poisons Schedule: Not scheduled

Other regulations
If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Registration status:
AICS, AU released / exempt
This product is registered under the Agricultural and Veterinary Chemicals Code Act 1994. Product Registration No. 68330/108733.

SECTION 16 OTHER INFORMATION

Issue Date: 7th January 2019. Valid for 5 years till 7th January 2024. (Revised to GHS).

Key to abbreviations and acronyms used in this SDS:

ADG Code:	Australian Dangerous Goods Code (for the transport of dangerous goods by Road and Rail).
Carcinogen:	An agent which is responsible for the formation of a cancer.
Clonic:	Alternate involuntary muscular contraction and relaxation in rapid succession.
Genotoxic:	Capable of causing damage to genetic material, such as DNA.
Lavage:	The irrigation or washing out of an organ, as of the stomach or bowel.
Mutagen:	An agent capable of producing a mutation.
Oedema:	Accumulation of fluid in tissues.
Teratogen:	An agent capable of causing abnormalities in a developing foetus.
Safe Work Australia:	Formally known as Australian Safety & Compensation Council (ASCC) which was formally known as the National Occupational Health & Safety Commission (NOHSC).

References

1. "Search Hazardous Substances". Safe Work Australia website. (2016).
2. "Approved Criteria for Classifying Hazardous Substances" 3rd Ed. NOHSC Australia. [NOHSC:1008 (2004)]. October 2004.
3. Globally Harmonized System of Classification and Labelling of Chemicals (GHS). United Nations, 2009.

This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

End SDS