SECTION 1 | IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: TOPBait Knock-On Ant Bait

Use: A crevice, crack, or spot treatment for the control of Ants in commercial, industrial and residential premises as per directions for use.
Company: TERMSEAL AUSTRALIA PTY LTD
Address: 8 Trade Cct, Wauchope, NSW, 2446
Telephone Number: 1300 657 822
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:

SIGNAL WORD: DANGER

Acute Toxicity Oral Category 4
Eye irritation Category 2B
Specific Target Organ toxicity - repeated exposure Category 2
Hazardous to aquatic environment Short term/Chronic Category 2

HAZARD STATEMENT:
H372 (Causes damage to organs through prolonged or repeated exposure)
H302 (Harmful if swallowed)
H319 (Causes serious eye irritation)
H410 (Very toxic to aquatic life with long-lasting effects)

PREVENTION
P102: Keep out of reach of children.
P262: Do not get in eyes, on skin, or on clothing.
P264: Wash contacted areas thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P273: Avoid release to the environment.
P281: Use personal protective equipment as required.
RESPONSE
P314: Get medical advice or attention if you feel unwell.
P353: Rinse skin or shower with water.
P301+P312: IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P391: Collect spillage.
P370+P378: Not combustible. Use extinguishing media suited to burning materials.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No	Conc,%
Hydramethylnon	67485-29-4	1%
Other non-hazardous food ingredients	up to	100%

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non-hazardous ingredients are also possible.
The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak "is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

SECTION 4 FIRST AID MEASURES

General Information:
You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS 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: Gently brush away excess particles. Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until chemical is removed.
Eye Contact: Quickly and gently brush particles from eyes. No effects expected. 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. Take special care if exposed person is wearing contact lenses.
Ingestion: If swallowed, do NOT induce vomiting. Wash mouth with water and contact a Poisons Information Centre, or call a doctor.

SECTION 5 FIRE FIGHTING MEASURES

Fire and Explosion Hazards: The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. 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 are likely to be toxic and corrosive if inhaled. Take appropriate protective measures.
Extinguishing Media: Not combustible. Use extinguishing media suited to burning materials.
Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade.
Flash point: No data
Upper Flammability Limit: No data.
Lower Flammability Limit: No data.
Autoignition temperature: No data.
Flammability Class: No data.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Accidental release: This product is sold in small packages, and the accidental release from one of these is not usually a cause for concern. For minor spills, clean up, rinsing to sewer and put empty container in garbage. Although no special protective clothing is normally necessary because of occasional minor contact with this product, it is good practice to wear impermeable gloves when handling chemical products. In the event of a major spill, prevent spillage from entering drains or water courses and call emergency services.

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/187.5°C
Volatiles:	No specific data.
Vapour Pressure:	Negligible at normal ambient temperatures.
Water Solubility:	Largely insoluble.
Ph value:	approx. 6 @21.7
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

Local Effects:
Target Organs: There is no data to hand indicating any particular target organs.
Classification of Hazardous Ingredients
Ingredient Risk Phrases
Hydramethylnon >=1%Conc<10%: Xn; R48/22

- Specific target organ toxicity (repeated exposure) - category 1
- Acute toxicity - category 4
- Eye irritation - category 2
- Hazardous to the aquatic environment (acute) - category 1
- Hazardous to the aquatic environment (chronic) - category 1

LD50 (Oral), Rat >5000mg/kg LD50 (Dermal), Rabbit >2000mg/kg
Potential Health Effects
Inhalation:
Short Term Exposure: Available data indicates that this product is not harmful. In addition product is unlikely to cause any discomfort or irritation.
Long Term Exposure: No data for health effects associated with long term inhalation.
Skin Contact:
Short Term Exposure: Available data indicates that this product is not harmful. It should present no hazards in normal use. In addition product is unlikely to cause any discomfort in normal use.
Long Term Exposure: No data for health effects associated with long term skin exposure.
Eye Contact:
Short Term Exposure: This product may be irritating to eyes, but is unlikely to cause anything more than mild transient discomfort.
Long Term Exposure: No data for health effects associated with long term eye exposure.
Ingestion:
Short Term Exposure: Significant oral exposure is considered to be unlikely. Available data shows that this product is harmful, but symptoms are not available. However, this product may be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort.
Long Term Exposure: No data for health effects associated with long term ingestion.
Carcinogen Status:
SWA: No significant ingredient is classified as carcinogenic by SWA.
NTP: No significant ingredient is classified as carcinogenic by NTP.
IARC: No significant ingredient is classified as carcinogenic by IARC.

SECTION 12 ECOLOGICAL INFORMATION

Environmental Toxicology:
This product is biodegradable. It will not accumulate in the soil or water or cause long term problems.
Hydramethylnon:
Daphnia toxicity: LC_{50} 48 h 1.14 mg/L *Daphnia magna*.
Fish toxicity: LC_{50} 96 h 1.70 mg/L bluegill sunfish LC_{50} 96 h 0.16 mg/L rainbow trout
Toxicity to algae: Not available
Bird toxicity: LD_{50} >2510 mg/kg mallard ducks LD_{50} 1828 mg/kg bobwhite quail
Bee toxicity: Non-toxic topically to honeybees at 0.03 mg/bee

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 Knock-On Ant Bait is not classified as a Dangerous Good by ADG, IATA or IMDG/IMSBC criteria. No special transport conditions are necessary unless required by other regulations.

SECTION 15 REGULATORY INFORMATION

AICS: All of the significant ingredients in this formulation are compliant with NICNAS regulations. The following ingredient: Hydramethylnon, is mentioned in the SUSMP.

Product Registration No. PENDING APPROVAL under research permit

SECTION 16 OTHER INFORMATION

Issue Date: 3rd September 2020. Valid for 5 years till 3rd September 2025. (Revised to GHS).

Key to abbreviations and acronyms used in this SDS:
This SDS contains only safety-related information. For other data see product literature.
Acronyms:
ADG Code Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition)
AICS Australian Inventory of Chemical Substances
SWA Safe Work Australia, formerly ASCC and NOHSC
CAS number Chemical Abstracts Service Registry Number
Hazchem Code Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC International Agency for Research on Cancer
NOS Not otherwise specified

NTP National Toxicology Program (USA)
R-Phrase Risk Phrase
SUSMP Standard for the Uniform Scheduling of Medicines & Poisons
UN Number United Nations Number
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