

SAFETY DATA SHEET

According to
HSNO Hazardous Substances (Safety Data Sheets) Notice 2017

Section 1. Identification of the material and the supplier

Product: **DOUBLE TAP Pellet Bait**
 Product Use: Vertebrate toxic agent for possum and rat control for only in a bait station.
 Restriction of Use: Refer to Section 15
 New Zealand Supplier: **Connovation Limited**
 Address: 36 B Sir William Drive
 East Tamaki, Auckland
 PO Box 58613
 Botany, Auckland, 2163
 Telephone: +64 9 273 4333
 Fax: +64 9 374 4334
 Emergency No: **0800 764 766 (National Poison Centre)**
 Date of SDS Preparation: 11 November 2024

Section 2. Hazards Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

EPA Approval No: HSR101231

Pictograms



Chronic

Signal Word: **Warning**

GHS Category	Hazard Code	Hazard Statement
STOT RE 2	H373	May cause damage to organs through prolonged or repeated exposure.
Designed for Biocidal Action	-	Designed for Biocidal Action

Prevention Code	Prevention Statement
P103	Read label before use.
P260	Do not breathe dust.
P273	Avoid release to the environment.

Response Code	Response Statement
P314	Get medical advice/attention if you feel unwell.

Storage Code	Storage Statement
None allocated	Store securely in closed original container in a cool dry place, out of reach of children, domestic animals, livestock, and away from food, drink and animal foodstuffs.

Disposal Code	Disposal Statement
P501	Dispose of according to Local Regulations or Authorities

Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Cholecalciferol	0.06	67-97-0
Diphacinone	0.005	82-66-6
Other ingredients (filler, binder, attractant, dye)	Balance	Proprietary

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.
If on Skin	Wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention.
If Swallowed	Do not induce vomiting. Wash out mouth thoroughly with water. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Seek medical attention if needed.
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Apply artificial respiration if not breathing. Get medical advice if breathing becomes difficult.

Most important symptoms and effects, both acute and delayed

Symptoms: Causes damage to blood and hematopoietic system through repeated or prolonged exposure. Avoid ingestion.

Section 5. Fire Fighting Measures

Hazard Type	Non-Flammable
Hazards from products	Avoid breathing smoke. Keep containers cool.
Suitable Extinguishing media	Water spray, foam, CO2 or dry chemical.
Precautions for firefighters and special protective clothing	Wear self-contained breathing apparatus and personal protection clothing.
HAZCHEM CODE	None Allocated

Section 6. Accidental Release Measures

Wear protective gear as detailed in Section 8. Evacuate all unnecessary personnel.

Do not allow to enter drains and water courses.

Contain spill. Shovel up and put into a container for disposal. Dispose of as hazardous waste to an approved waste management company in accordance with local regulations.

Section 7. Handling and Storage

Precautions for Handling:

- Read label before use.
- Wear gloves.
- Wash protective clothing and equipment daily after work and separate to household laundry.
- Wash hands thoroughly before meals and any rest breaks.
- Do not breathe dust.
- Avoid release to the environment.

Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Store securely in closed original container in a cool dry place, out of reach of children, domestic animals, livestock, and away from food, drink and animal foodstuffs.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³

No ingredients have exposure limits

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2017 9TH EDITION.

Engineering Controls

Use in a well-ventilated area.

Personal Protective Equipment



Eyes	No specific requirement.
Hands	Wear rubber gloves.
Skin	Overalls recommended protecting normal clothes from any contamination.
Respiratory	No specific requirement.
General	Observe good hygiene practices. Wash hands after use and before eating or smoking.

Section 9 Physical and Chemical Properties

Appearance	Pellet
Colour	Green
Odour	Not available
Odour Threshold	Not available
pH	Not available
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	Not available
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Specific Gravity	Not available
Water Solubility	Immiscible in water
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not available

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Possibility of hazardous reactions	Not available
Conditions to Avoid	None known.
Incompatible Materials	None known.
Hazardous Decomposition Products	No specific hazardous compounds identified.

Section 11 Toxicological Information**Acute Effects:**

Swallowed	Not applicable.
Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Not applicable.
Skin	Not applicable.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Causes damage to blood and hematopoietic system through repeated or prolonged exposure. Avoid ingestion.

Individual component information:**Acute Toxicity:**

Chemical Name	Oral – LD50	Dermal – LD50	Inhalation – LC50
Cholecalciferol (active)	43.6 mg/kg (rat) 42.50mg/kg (mouse)	-	-
Diphacinone (active)	2.1 mg/kg (rat)	3.6 mg/kg (rat)	-

Other information:

Cholecalciferol is a sterol of vitamin D that, when converted in the liver into the active form, causes renal failure, cardiac abnormalities, hypertension, central nervous system depression, and gastric system distress (anorexia, vomiting, and constipation).

Diaphacinone is an anticoagulant that blocks vitamin K-dependent synthesis of the blood clotting substance prothrombin, which predisposes the animal to widespread internal bleeding. Animals suffering from exposure to anti-coagulants may have symptoms of nosebleeds, bleeding gums, blood in urine and feces; bruises due to ruptured blood vessels; and skin damage

Section 12. Ecotoxicological Information

GHS Classes: Designed for biocidal action. Intended use is as a Vertebrate Toxic Agent (possum and rat control). Do not contaminate waterways, drains or sewers with product, containers or waste.

Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available
Other adverse effects	No data available

Section 13. Disposal Considerations**Disposal Method:**

Dispose of waste in accordance with Regional Authority or local council bylaws. Dispose of containers, and waste through a hazardous waste service.

Precautions or methods to avoid: Avoid unintended release to the environment.

Section 14 Transport Information

This product is NOT classified as a Dangerous Good for transport in NZ; SNZ 5433:2021

Section 15 Regulatory Information

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval Code: HSR101231

GHS Classification: STOT RE 2, Designed for biocidal action

Refer to www.epa.govt.co.nz for full control document

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required

Signage Trigger Quantities	Not required
Emergency Response Plan	Not required
Secondary Containment	NA
Restriction of Use	
77A - A restriction has been placed on the use of the substance.	This substance must be applied using ground-based methods only and application is only within a bait station.
77A - Any changes to the composition or proposed use of the proposed substance must be notified to the Authority in writing before the substance is used.	(1) Any changes to the composition or proposed use of this substance must be notified to the Authority in writing before the substance is used. The notification should include the following information, as applicable: (a) the name of substance and HSNO approval number; (b) details of the original formulation; (c) details of the revised formulation clearly identifying the changed ingredients, their function in the bait, and their concentration and CAS number if appropriate; (d) the physical form, if different from the original; (e) bait colour (blue or green); (f) changes in bait size; (g) the intended use(s) of the substance (to include target species, method(s) of release); (h) change in food bait where the substance requires mixing with bait prior to use; (i) the physical properties of the substance (for example, flashpoint, pH) if different from the original; (j) the impurity profile and source of the 'active' ingredient, if different from the original; (k) any information on the effect that the formulation change may have on the risk profile of the substance, including the results of any palatability or field trials undertaken on both target and non-target species. For professional users*: (1) No person may apply, or engage to apply, this substance unless that person has given notice of the proposed application to occupiers and, as far as practicable owners, of land, dwellings or buildings within the vicinity of the bait station site. (2) The notice referred to in subclause (1b) must—(a) be given with sufficient prior notification, no less than 24 hours, but no more than 2 months, before the proposed application and, if requested by the person notified, shall be repeated at a mutually agreed time before the proposed application; and (b) specify the following: (i) the approximate date on which the substance will be applied; (ii) the name and nature of the substance; (iii) the risks to companion animals and details of antidotes; (iv) a description of the area within which the substance will be applied, including— (A) the boundaries of the area; and (B) districts, roads and other commonly known feature that may identify the place; (v) the name, address and contact details of the person responsible for the application of the substance. * The rationale for applying this control to professional users only is that non-professional users are likely to be using a smaller quantity over a smaller area
77A -	No person may apply or otherwise use this substance on land administered or managed by the Department of Conservation unless that person first obtains a permission under section 95A of the Act from the Authority.

ACVM Act and Regulations

ACVM Approval No
See www.foodsafety.govt.nz for registration controls

V9649

Section 16**Other Information****Glossary**

EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

This document has been prepared by TCC (NZ) Ltd and serves as the suppliers Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to TCC (NZ) Ltd or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While TCC (NZ) have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, TCC (NZ) Ltd accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

The information herein is given in good faith, but no warranty, express or implied is made.

Please contact the New Zealand distributor, if further information is required.

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