



1. IDENTIFICATION OF THE SUBSTANCE AND MANUFACTURER

1.1 Product identifier

Trade Name PESTOFF Rat Bait 50D

1.2 Relevant identified uses of the substance or mixture and uses advised against

Pellet baits for the control of rats.

1.3 Details of the supplier of the safety data sheet

Company Orillion, 408 Heads Road, Wanganui 4501, New Zealand.
(Orillion is the trading name of Animal Control Products Ltd.)
Telephone +64 (6) 3445302 or +64 (21) 919 624
Email address enquiries@orillion.com

1.4 Emergency telephone number

National Emergency Contact number 111
NZ National Poisons information Service 0800 764 766

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Acute oral toxicity Class 6.9B
Ecotoxic – Toxic to terrestrial animals Class 9.1D
CAS Registry number or active ingredient: 82-66-6

2.2 Label Elements

Hazard Pictogram



Signal word

Warning

Precautionary Statements

Hazard Statements: **H373** May cause damage to organs through prolonged or repeated exposure.
H413 May cause long lasting harmful effects to aquatic life

Prevention Statements: **P103b** Read Label before use.
P260 Do not breath dust
P273 Avoid release to the environment
P314 Get medical advice/attention if you feel unwell.
P405 Store locked up
P501 Dispose of contents/container in accordance with label directions

2.3 Other Hazards No data.

3. COMPOSTION / INFORMATION ON INGREDIENTS

3.1 Substances

Contains no substances of concern other than the active ingredient.

3.2 Mixtures

Chemical Nature: Pelletised bait for the control of rodents.

Active ingredient: Diphacinone 0.005%

Component	CAS Number	Concentration (% w/w)	Classification EU
C ₂₃ H ₁₆ O ₃	82-66-6	0.005%	2811
Other non-Hazardous ingredients *		Cereals, binders, sweeteners, dye, stabilisers	

* do not affect the hazardous classifications of the substance.

4. FIRST AID MEASURES

Ingestion:

In the event of ingestion, do not induce vomiting. Consult a physician and provide an estimation of the amount of product ingested. In the case of very small amounts of product (< 10 grams) being taken, no symptoms may develop but larger amounts may affect blood clotting times. A physician can assess this and provide Vitamin K1 therapy as necessary.

Eye Contact:

Wash eyes with water.

Skin Contact:

Wash exposed area thoroughly with soap and water, then rinse.

Contaminated Clothing:

Remove contaminated clothing and wash before re-use. Wear gloves and overalls when handling baits. Do not eat, drink or smoke when using this product. Clothing and gloves should be decontaminated by washing in hot soapy water.

SYMPTOMS OF POISONING:

Effects of overexposure are those of anticoagulant overdose, i.e., reduced blood clotting ability with spontaneous bleeding in various organs. Body accumulation can result from repeated exposures. Individuals with blood clotting disorders may be more susceptible to overexposure effects.

AS THE SYMPTOMS OF POISONING WILL BE DELAYED FOR SEVERAL DAYS, ALWAYS SEEK MEDICAL ADVICE IF POISONING IS SUSPECTED.

5. FIRE FIGHTING MEASURES

Low to nil flammability risk but acrid, irritating smoke may be produced by ignition or incineration of the pellets. The pellets otherwise have no toxic emissions as either vapours, gases or odours. The primary toxicity hazard is by ingestion.

Suitable extinguishing Media:

Water fog, fine water spray, foam or as appropriate to surrounding materials.

Unsuitable extinguishing Media:

None identified.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Wear personal protective equipment.

See protective measures under points 7 and 8.

Methods and materials for containment and clean up:

In the event of major spills, isolate the spill area and take all practicable steps to manage any harmful effects of a spillage including preventing baits from entering streams or waterways. Scoop spilled baits into secure containers. Recover any undamaged bait for later use by placing in appropriately labelled containers and dispose of spoiled bait as directed in the disposal section below. Use a broom to collect fine material and wash down the spill area with copious water only after all spilled bait has been removed.

Environmental Considerations:

Consider possible hazards arising from irrigating spill sites. Bury spoiled pellets at least 60cm deep in a suitable site or dispose of as required.

7. HANDLING AND STORAGE

Precautions for safe handling:

Wear suitable personal protective equipment as required

Conditions for safe storage, including any incompatibilities:

Store in original container, tightly closed, under lock and key and away from feed or foodstuffs. Keep out of reach of children, pets and livestock.

Incompatible Materials:

None identified.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits:

Not Applicable (not assigned)

Engineering Measures:

Decontamination is heat and microbial decomposition.

Personal Protection Equipment:

Operators using or handling the product in open containers must wear gloves and overalls. Do not smoke, drink, or eat while handling the product. Wash hands, face, and any exposed areas after use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form / Colour / Odour:

Pellets have a solid cylindrical form, dyed green.

Property:

Physical

Appearance:

Odour:

Odour Threshold:

pH:

Melting point/range:

Boiling point/range:

Flash Point:

Evaporation rate:

Flammability:

Specification:

State: Solid

Cylindrical blocks

No data Available

Not relevant

Not determined

Not relevant

Not relevant

No Data Available

No Data Available

No Data Available

Upper/lower flammability or explosive limits:	No Data Available
Vapour Pressure:	Not relevant
Vapour density:	Not relevant
Relative Density:	No Data Available
Water Solubility:	Brodifacoum is not water soluble.
Lipid Solubility:	No Data Available
Partition coefficient (N-octanol/water):	No Data Available
Auto-ignition Temperature:	No Data Available
Decomposition Temperature:	No Data Available
Viscosity:	No Data Available

10. STABILITY AND REACTIVITY

The Pellets will keep for up to 12 months in cool conditions, but it is recommended that the pellets be used within 3 months when possible to ensure maximum palatability to rodents.

11. TOXICOLOGICAL INFORMATION

The baits present a very low hazard to operators unless taken orally.

Toxicity Data for the Active Ingredient - Various Species *

Species (Oral) LD50	LD50- active
White Laboratory Rat	3.0 mg/kg B/W
Dog	15.0-55.0mg/kg B/W
Cat	15.0mg/kg B/W
Duck	3000.0mg/kg B/W

Hazardous Decomposition Products:

thermal decomposition may result in the release of toxic and/or irritating fumes and gases including carbon monoxide and carbon dioxide and water.

12. ECOLOGICAL INFORMATION

Use the products only for the purpose indicated and, in the manner, prescribed by the product label.

Diphacinone should not persist in the fatty tissue, liver, or kidneys of sub-lethally poisoned animals to the extent that some second-generation anticoagulants will. Mortally poisoned animals may however present some secondary poisoning risk to carnivorous birds and mammals. Take steps to mitigate any potential non-target exposure by wildlife, domestic animals or humans.

Improper disposal of unwanted pesticide is unlawful. If wastes cannot be disposed of according to label instructions contact your local Regional Council hazardous waste advisor for guidance.

13. DISPOSAL CONSIDERATIONS

Product which is surplus or spoiled should be disposed of by burying with other organic material on the active tip face of an appropriately managed landfill or buried within the biologically active layer of soil elsewhere within a secure area. Ensure that a good covering of earth is applied over the bait immediately to prevent access by scavenging birds. Avoid deep disposal.

Alternatively, burn unwanted bait material in a suitably constructed and appropriately located incinerator and bury any residues as above. Treating the baits through a sewage oxidation facility or other chemical treatment facility is also an acceptable means of disposing of unwanted bait material. Bury empty tubes in a suitable location at a depth of 60cm or at an approved landfill. Do not use the empty container for any other purpose.

14. TRANSPORT INFORMATION

Not classified Dangerous Goods:

Toxicity falls below Packing Group III threshold.

Maximum transport quantity when for use as tools of trade:

No Limits.

15. REGULATORY INFORMATION

Registered Pesticides:

PESTOFF Rat Bait 50D– V009533.

HSNO Approval:

HSR001596

16. OTHER INFORMATION

Special Precautions & Other Comments

Do not use poisoned or contaminated animals for food or feed.

This product is toxic to most wildlife. Birds and mammals feeding on carcasses of contaminated animals may be killed. Take measures to minimise the chance of baits entering any body of water. Apply the product only as specified by its label directs.

Where practicable, exposed bodies of all poisoned animals should be collected and destroyed by complete burning or deep burial at a landfill approved for hazardous wastes.

CONSULT NEAREST POISON CONTROL CENTER FOR CURRENT INFORMATION

All information contained in this data sheet is as accurate and up to date as possible. Since Orillion cannot anticipate or control the conditions under which this information may be used, each user should review the information in the specific context of the intended application.

Revised by: ADC – Date revised, January 2021.