

ANIMAL CONTROL PRODUCTS LTD



orillion

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name:	(a) PESTOFF RODENT BAIT (b) PESTOFF RODENT BLOCKS (c) PESTOFF RODENT BAIT 20R (d) PESTOFF BRODIFACOUM POSSUM BAIT (e) PESTOFF WAXED POSSUM BAIT
Synonyms:	Pestoff bait, Pestoff blocks.
Supplier:	Animal Control Products Ltd trading as Orillion
Street address:	Physical address: 408 Heads Road, Whanganui 4501, New Zealand.
Postal address:	Postal address: Private Bag 3018, Whanganui 4540, New Zealand.
Telephone:	64 (0) 6 344 5302
Website:	www.pestoff.co.nz
After hours telephone numbers:	021 919 624
ACCIDENTAL HUMAN POISONING	Call a doctor or hospital without delay and seek medical advice. Provide information from the product label to medical personnel. Free phone 0800 764 766
National Poisons Centre: Emergency phone number for spills, transport emergencies and risk mitigation:	Dial 111

2. COMPOSITION / INFORMATION ON INGREDIENTS

Product Name:	(a) PESTOFF RODENT BAIT (b) PESTOFF RODENT BLOCKS (c) PESTOFF RODENT BAIT 20R (d) PESTOFF BRODIFACOUM POSSUM BAIT (e) PESTOFF WAXED POSSUM BAIT
Synonyms:	Pestoff bait, Pestoff blocks
Active Ingredient:	Brodifacoum 0.002% w/w
Other Ingredients:	Cereals, sugars, waxes and binders.
Molecular Weight of Active:	523.4
Molecular Formula of Active:	C ₃₁ H ₂₃ O ₃ Br
Recommended Use:	Cereal based baits for rodent or possum control.
Appearance:	Extruded solid cereal blocks or baits dyed blue or green

3. HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE: This product is a Harmful Substance.

HSNO Approval Code: HSR001612

HAZARD CLASSES (HSNO):	6.9B, 9.1D
HAZARD IDENTIFIERS:	Priority Identifiers – Harmful, Ecotoxic, Keep out of reach of children. Secondary Identifiers - Harmful substance. Repeated oral exposure may cause toxin to accumulate in internal organs and may affect the clotting ability of the blood.

DANGEROUS GOODS CLASS:**Not classified Dangerous Goods** as toxicity falls below Packing Group III threshold.

SYMPTOMS OF POISONING: No symptoms may be apparent for several days if poisoning has occurred. Can kill if swallowed in large quantities. The active constituent (brodifacoum) is an anti-coagulant chemical, which if taken by humans, domestic animals or pets, will reduce the clotting power of the blood. Nausea and vomiting may occur soon after ingestion, however in some cases effects from exposure may be delayed for several days or may not be evident unless checked by a physician. Typical overt symptoms of poisoning include bleeding gums, increased tendency to bruising, blood in urine and faeces and excessive bleeding from minor cuts. Haemorrhagic shock, coma and death may follow in cases of severe poisoning.

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

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

5. FIRE FIGHTING MEASURES

The product contains no toxic emissions as vapours, gases or odours. The principle hazard route is via ingestion.

6. ACCIDENTAL RELEASE MEASURES

In the event of a spill, 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. Give consideration to possible hazards arising from irrigating spill sites. Brodifacoum is not water soluble but fine bait material may pose a risk to people, pets, livestock, wildlife and fish.

7. HANDLING AND STORAGE

When handling open containers or baits, wear latex or rubber gloves. When loading aircraft or working in windy conditions, wear overalls, goggles and a dust mask as protection against dust entering the eyes or mouth. Do not eat, drink or smoke when using the product or handling open containers. Wash protective clothing and equipment after use. Remove the outer layer of clothing and wash hands and exposed skin thoroughly before meals and after any contact.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits: Not applicable (not assigned).

Engineering Measures: Decontamination is through microbial decomposition in a biologically active medium.

Personal Protection Equipment: Operators using or handling the product in open containers must wear gloves. When working around aircraft, wear overalls, a dust mask and goggles to prevent the inhalation of airborne particles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form / Colour / Odour: Pellet and block baits have a solid cylindrical form, are dyed blue or green and may have an odour of cinnamon, fruit flavouring, or chocolate.

Solubility of technical grade brodifacoum	Water at pH	5.2 = 0.00
		7.4 = 0.38
		9.3 = 1.00
	Toluene	0.72
	Acetone	2.30
	Methanol	0.27

10. STABILITY AND REACTIVITY

Brodifacoum cereal based baits are stable and non-reactive under normal storage and use conditions.

11. TOXICOLOGICAL INFORMATION

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

TOXICITY DATA FOR THE ACTIVE INGREDIENT - VARIOUS SPECIES*

White laboratory rat (oral) LD ₅₀	0.26 mg/kg B/W
Brush-tailed possum (oral) LD ₅₀	0.8 mg/kg B/W
Dog (oral) LD ₅₀	3.56 mg/kg B/W
Cat (oral) LD ₅₀	25.0 mg/kg B/W
Mouse (oral) LD ₅₀	0.4 mg/kg B/W

12. ECOLOGICAL INFORMATION

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

Brodifacoum may persist for many months in the fatty tissue, liver and kidneys of sub-lethally poisoned animals. Mortally poisoned animals may present a secondary poisoning risk to carnivorous birds and mammals and in addition a tertiary poisoning risk where for example feral pigs eat poisoned possums and are subsequently taken and eaten by pig hunters. Take steps to mitigate any potential non-target exposure by wildlife, domestic animals or humans. Studies have shown that brodifacoum concentrations will decline within decaying carcasses.

Improper disposal of unwanted pesticide is unlawful. If wastes can not 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. As the smoke and fumes produced by burning is irritating and potentially harmful, ensure wind does not carry smoke plume towards populated areas.

Treating the baits through a sewage oxidation facility or other chemical treatment facility is also an acceptable means of disposing of unwanted bait material where this is allowed by local by-laws and regulations.

Burn empty bags or bury in a suitable location at a landfill. Do not use the empty container for any other purpose.

14. TRANSPORT INFORMATION

Proper Shipping Name:	Not Applicable – Not classified as Dangerous Goods due to low toxicity
U.N. NO:	Not Applicable
Class:	Not Applicable
Packing Group:	Below PG III threshold for Dangerous Goods

Maximum transport quantity when for use as tools of trade = No limits

15. REGULATORY INFORMATION

Registered Pesticides: The New Zealand registration and classification details for these brodifacoum products are:

- (a) PESTOFF RODENT BAIT – V005137 HSNO Approval HSR001612
- (b) PESTOFF RODENT BLOCKS – V005099 HSNO Approval HSR001612
- (c) PESTOFF RODENT BAIT 20R – V009014 HSNO Approval HSR001612
- (d) PESTOFF BRODIFACOUM POSSUM BAIT – V004991 HSNO Approval HSR001612
- (e) PESTOFF WAXED POSSUM BAIT – V005136 HSNO Approval HSR001612

16. OTHER INFORMATION

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 directions.

Where practicable, the 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 Animal Control Products Ltd 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: WJ Simmons
Date of revision: 22 May 2018**