

ROBAN

DIFENACOU M

Whole Wheat Bait



Contains 0.005 % w/w (0.05 g/kg) of the second generation anti-coagulant difenacou m,

Roban Whole Wheat Bait is highly palatable and acceptable to a wide variety of rodents, including all commensal species. Presented in a wide variety of pack configurations to suit every user's needs. Roban Whole Wheat Bait is approved for use as a professional use rodenticide and is cleared for use both indoors and outdoors.

ROBAN Whole Wheat Bait is a ready-for-use bait containing 50 ppm of the second generation anti-coagulant rodenticide difenacou m, 10 ppm of the human aversive agent *denatonium benzoate* and a blue indicator dye.

Roban is formulated using high grade 'micronised wheat together with taste adjuvants to improve bait 'take' and bio-stats to inhibit growth of fungi or bacteria when the bait is used in damp conditions.

Reliable and Cost Effective

- Effective on all Commensal rodents, such as the Brown Rat, Black Rat and House mouse, including those resistant to warfarin, chlorphacinone and diphacinone.
- Roban Whole Wheat Bait contains the anti-coagulant difenacou m, the human aversive agent *denatonium benzoate* as well as feeding enhancers and protective bio-stats.
- Roban Whole Wheat Bait is formulated for total rodent control, and is manufactured using the highest quality dust-free de-husked food-grade wheat treated to prevent germination. Reliable results 'time after time.'
- Roban is exceptionally effective against mice, demonstrating similar control levels to those observed with 'single-feed-kill' products but without many of the non-target and environmental hazards.
- Roban Whole Wheat Bait is highly palatable, does not cause 'bait shyness' and is approved for use both indoors and outdoors by professional users.
- The ready-for-use formulation is available in a variety of pack sizes including a 25 kg sack, 10 kg, 6 kg, 3 kg and 1.5 kg square-form buckets, as well as 0.5 kg tubs and 100 g 'place pack' for precision baiting.
- Every bucket is supplied with its own measuring scoop for easy and accurate product dispensing.
- Roban Whole Wheat Bait can be effectively antidoted with Vitamin K₁.



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SAFETY DATA SHEET

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Roban Whole Wheat Bait

Revision No. 1

Issue date: 17 October 2003

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Product name	Roban Whole Wheat Bait
Company	PelGar International Ltd Unit 13, Newman Lane Industrial Estate, Newman Lane, Alton, Hampshire GU 34 2QR Tel +44 (0) 1420 80744 Fax +44 (0) 1420 80733
Product code	TCF023

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components	Propylene glycol 1-10% 57-55-6
	Wheat Grain 90-100%
	Difenacoum 0.005% 56073-07-5 T+:R28 T:R48/25 N:R50/53

3. HAZARDS IDENTIFICATION

Main hazards	The preparation is non-dangerous in accordance with Directive 1999/45/EC. Unlikely to cause harmful effects under normal conditions of handling and use.
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4. FIRST AID MEASURES

Skin contact	May cause skin irritation in susceptible persons. Remove contaminated clothing Wash off immediately with soap and plenty of water. If irritation persists obtain medical attention Contaminated clothing should be washed and dried before re-use.
Eye contact	May cause eye irritation with susceptible persons. Rinse immediately with plenty of water and seek medical advice.
Inhalation	Unlikely to present an inhalation hazard unless excessive dust is present. Move to fresh air. Obtain medical advice immediately.
Ingestion	If swallowed, seek medical advice immediately and show this container or label.
General advice	In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). ADVICE FOR DOCTORS: Difenacoum is an indirect coagulant. Phytomenadione, Vitamin K1, is antidotal. Determine prothrombin times not less than 18 hours after consumption. If elevated, administer Vitamin K1 until prothrombin time normalises. Continue determination of prothrombin time for two weeks after withdrawal of antidote and resume treatment if elevation occurs in that time.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Keep fire exposed containers cool by spraying with water if exposed to fire. Carbon dioxide (CO2) alcohol-resistant foam, dry powder, water spray mist or foam.
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Extinguishing media which must not be used for safety reasons Do not use water jets

Special protective equipment for firefighters In the event of fire, wear self-contained breathing apparatus, suitable gloves and boots.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Wear suitable protective clothing, gloves and eye/face protection. See section 8.

Environmental precautions Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Clean up promptly by sweeping or vacuum. Transfer to a suitable labelled container. Subsequently, wash the contaminated area with water, taking care to prevent the washings entering sewers or drains.

7. HANDLING AND STORAGE

Handling Avoid contact with skin and eyes. Avoid dust formation. Do not smoke eat or drink while handling this product. Always use good personal hygiene procedures when handling chemicals. Wash hands and face before eating, drinking or smoking. Read the label before use. Unlikely to produce much dust as the product is a low dust whole wheat grain.

Storage Keep in a cool, well-ventilated place. Keep out of reach of children. Keep away from food and animal feedstuffs. Keep away from oxidising agents

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limit(s)	Propylene glycol	Whole Wheat Grain Dust
	TWA (ppm): 150 TWA (mg/m3): 470	TWA (mg/m3): 10 as dust (MEL)
	Difenacoum	
	TWA(mg/m3): 0.002	

Respiratory protection Unlikely to present an inhalation hazard unless excessive dust is present. If dust levels approach the MEL's or OES then suitable approved respiratory protection should be worn.

Hand protection Impervious gloves

Eye protection Tight fitting goggles if exposed to excessive dust.

Skin and body protection Impervious clothing boots

9. PHYSICAL AND CHEMICAL PROPERTIES

Colour Blue

Odour slight

Bulk density 0.65 - 0.75

10. STABILITY AND REACTIVITY

Stability Stable at normal conditions

Conditions to avoid Heat, flames and sparks.

Materials to avoid Oxidising agents

Hazardous decomposition products Combustion or thermal decomposition will produce toxic and irritant fumes

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11. TOXICOLOGICAL INFORMATION

Acute toxicity	ORL RAT LD50 approx. 30 g/kg (calculated)
Primary irritation	No eye irritation No skin irritation
Sensitization	Grain dust is a respiratory sensitiser causing asthma. As the product is a low dust whole wheat grain, it is unlikely to create sufficient dust to cause any problems.
mutagenic effects	No evidence to suggest anticoagulant rodenticides are mutagenic
carcinogenic effects	No evidence to suggest anticoagulant rodenticides are carcinogenic.

12. ECOLOGICAL INFORMATION

Ecotoxicity	As the product only contains 50ppm difenacoum , unlikely to be hazardous to aquatic life.
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13. DISPOSAL CONSIDERATIONS

General Information	Dispose of in accordance with local regulations
Contaminated packaging	Dispose of as unused product.

14. TRANSPORT INFORMATION

ADR/RID	Not classified as dangerous for transport.
Proper shipping name	

IMO

IATA-DGR

15. REGULATORY INFORMATION

Labelling	The preparation is non-dangerous in accordance with Directive 1999/45/EC. Covered by the Control of Pesticides Regulations (1986). It has been labelled in accordance with those regulations.
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16. OTHER INFORMATION

Text of R phrases mentioned in Section 2	R28 - Very toxic if swallowed R48/25 - Toxic: danger of serious damage to health by prolonged exposure if swallowed. R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Recommended restrictions	Ready for use rodenticide containing 50 ppm difenacoum
Sources of key data used to compile the datasheet	Raw material suppliers Safety Data Sheets. CHIP 2002 EH40
Replaces:	Revision No.: 2002-I-03