



**International**

## SAFETY DATA SHEET

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### Vertox Whole Wheat Bait (HSE No.: 8998)

Revision 1  
Revision date 8-Oct-2009

#### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

**Product name** Vertox Whole Wheat Bait  
**Company** PelGar International Ltd  
Unit 13 Newman Lane Industrial Estate  
Newman Lane Alton  
Hampshire  
GU34 2QR  
philip@pelgar.co.uk  
www.pelgar.co.uk

**Telephone** Tel +44 (0) 1420 80744  
**Fax** Fax +44 (0) 1420 80733  
**Emergency telephone number** Tel +44 (0) 1420 80744  
**Intended use** Ready for use rodenticide containing 50 ppm brodifacoum. For indoor use only.

#### 2 HAZARDS IDENTIFICATION.

**Main hazards** The preparation is non-dangerous in accordance with Directive 1999/45/EC. Contains chloracetamide, may produce an allergic reaction. Harmful to Wildlife. Wild mammals and birds may be at greater risk if the product is not used in accordance with its label.

#### 3 . COMPOSITION / INFORMATION ON INGREDIENTS.

##### Hazardous ingredients

	<b>Conc.</b>	<b>CAS</b>	<b>EINECS</b>	<b>Symbols/Risk phrases</b>
Brodifacoum	0-0.5%	56073-10-0	259-980-5	T+; R27/28 T; R48/24/25 N; R50/53
propane-1,2-diol	1-10%	57-55-6	200-338-0	
Whole Wheat Grain	90-100%			
2-Chloracetamide	0-0.5%	79-07-2	201-174-2	Repr Cat 3; R62 T; R25 R43

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## 4. FIRST AID MEASURES

<b>Skin contact</b>	May cause skin irritation in susceptible persons. Remove contaminated clothing. Wash off immediately with plenty of soap and water. If irritation persists obtain medical attention.
<b>Eye contact</b>	Contaminated clothing should be washed and dried before re-use. May cause irritation to eyes. Seek medical attention if irritation or symptoms persist. Wash with water.
<b>Inhalation</b>	Unlikely to present an inhalation hazard unless excessive dust is present. Move the exposed person to fresh air. Obtain medical advice immediately.
<b>Ingestion</b>	If swallowed, seek medical advice immediately and show this container or label.
<b>General information</b>	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). ADVICE FOR DOCTORS: Brodifacoum is an indirect anti coagulant. Phytomenadione, Vitamin K1, is antidotal. Determine prothrombin time 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

<b>Extinguishing media</b>	Keep fire exposed containers cool by spraying with water if exposed to fire. Carbon dioxide (CO2) Alcohol resistant foam. Dry chemical. Use extinguishing media appropriate to the surrounding fire conditions. Do NOT use ... Do not use water jets.
<b>Protective equipment</b>	In the event of fire. Wear: Self-contained breathing apparatus. Suitable gloves and boots.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Wear suitable protective clothing, gloves and eye/face protection. See section 8.
<b>Environmental precautions</b>	Prevent further leakage or spillage, if safe to do so.
<b>Clean up methods</b>	Transfer to a suitably labelled container. Subsequently, wash the contaminated area with water, taking care to prevent the washings entering sewers or drains.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Avoid contact with eyes and skin. Avoid formation of dust. 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.
<b>Storage</b>	Keep in a cool, dry, well ventilated area. Keep out of the reach of children. Keep away from food and animal feedstuffs. Keep away from oxidising agents.
<b>Specific use</b>	Ready for use rodenticide containing 50 ppm brodifacoum. For indoor use only.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure limits

propane-1,2-diol (Propane-1,2-diol particulates)	WEL 8-hr limit ppm: - WEL 15 min limit ppm: -	WEL 8-hr limit mg/m3: 10 WEL 15 min limit mg/m3: -
propane-1,2-diol (Propane-1,2-diol total vapour and particulates)	WEL 8-hr limit ppm: 150 WEL 15 min limit ppm: -	WEL 8-hr limit mg/m3: 474 WEL 15 min limit mg/m3: -
Whole Wheat Grain	WEL 8-hr limit ppm: WEL 15 min limit ppm:	WEL 8-hr limit mg/m3: 10 (grain dust) WEL 15 min limit mg/m3: 30 (grain dust)

<b>Respiratory protection</b>	Unlikely to present an inhalation hazard unless excessive dust is present. If levels approach the WEL, then suitable approved respiratory protection should be worn.
<b>Hand protection</b>	Impervious gloves.
<b>Eye protection</b>	Tight fitting goggles if exposed to excessive dust.
<b>Protective equipment</b>	Impervious clothing. Boots.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Description</b>	Solid.
<b>Colour</b>	Red.
<b>Odour</b>	Slight.

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal conditions.
<b>Conditions to avoid</b>	Heat, sparks and open flames.
<b>Materials to avoid</b>	Oxidising agents.
<b>Hazardous decomposition products</b>	Combustion or thermal decomposition will produce toxic and irritant fumes.

## 11. TOXICOLOGICAL INFORMATION

### Toxicological information

Brodifacoum	Dermal Rat LD50 = 7.48 mg/l Oral Rat LD50 = 0.27 mg/l
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<b>Acute toxicity</b>	ORL RAT LD50 approx 6/Kg (calculated).
<b>Corrosivity</b>	No irritation expected.
<b>Sensitization</b>	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. Contains chloracetamide, may produce an allergic reaction.
<b>Mutagenic effects</b>	No evidence to suggest anticoagulant rodenticides are mutagenic.
<b>Carcinogenic effects</b>	No evidence to suggest anticoagulant rodenticides are carcinogenic.

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## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** As the product contains 50ppm brodifacoum, unlikely to be hazardous to aquatic life. Harmful to wildlife. Read All Precautions before use.

Brodifacoum Algae EC50/72h = 0.04 mg/l  
Daphnia EC50/48h = 0.25 mg/l  
Rainbow trout LC50/96h = 0.042 mg/l

## 13. DISPOSAL CONSIDERATIONS

**General information** Dispose of in compliance with all local and national regulations.

**Disposal of packaging** Empty containers can be sent to landfill after cleaning, if in compliance with local and national regulations.

## 14. TRANSPORT INFORMATION

**Further information** Not classified as dangerous for transport.

## 15. REGULATORY INFORMATION

**Labelling** Covered by the Control of Pesticides Regulations (1986). It has been labelled in accordance with those regulations.

**Safety phrases** P14 - Safety data sheet available for professional user on request.

**Statutory Conditions relating to use** The (COSHH) Control of Substances Hazardous to Health Regulations 2002 may apply to the use of this product at work. For indoor use only. Avoid all contact by mouth. Prevent access to bait by children, birds and non-target animals, particularly dogs, cats, pigs and poultry. Do not place bait where food, feed, or water could become contaminated (except when used in sewers). Search for and remove rodent bodies at frequent intervals during treatment, ideally at each bait inspection, (unless used in sewers). Collect and dispose of the remains of bait and any remaining rodent bodies after treatment (unless used in sewers). You must ensure that you comply with legislation regarding the correct disposal of waste. For further guidance contact the Environmental Agency or your local Scottish Environmental Protection Agency (SEPA) office. You must ensure that you comply with legislation regarding the correct disposal of waste. For further guidance contact the Environment Agency or your local Scottish Environmental Protection Agency ( SEPA ) office. This product contains substances which are known to be hazardous to the environment. Do not contaminate waterbodies or watercourses with chemicals or the used container. Harmful to wildlife. READ ALL PRECAUTIONS BEFORE USE.

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## 16. OTHER INFORMATION

<b>Text of risk phrases in Section 3.</b>	<p>R25 - Toxic if swallowed.</p> <p>R27/28 - Very toxic in contact with skin and if swallowed.</p> <p>R43 - May cause sensitisation by skin contact.</p> <p>R48/24/25 - Toxic: danger of serious damage to health by prolonged exposure in contact with skin and if swallowed.</p> <p>R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p> <p>R62 - Possible risk of impaired fertility.</p>
<b>Restricted use</b>	<p>Ready for use rodenticide containing 50 ppm brodifacoum. For indoor use only. Users of this product are obliged to advise owners or residents of treatment sites, in writing, exactly where this product is placed. Premise owners and residents must be advised that Vertox baits contain the anticoagulant brodifacoum. The antidote is Vitamin K1. Premise owners and residents must be further advised to prevent access to the bait by children and domestic animals particularly dogs and birds.</p>
<b>Data sources</b>	<p>Raw material suppliers Safety Data Sheets. EH40 CHIP 2009</p>