



International

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) No. 1907/2006

Page 1 of 4

Vertox Pasta Bait

Revision 4
Revision date 03-Mar-2014

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name Vertox Pasta Bait
Company PelGar International Ltd
Unit 13 Newman Lane Industrial Estate
Newman Lane
Alton
Hampshire GU34 2QR
e-mail Address 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.

2 HAZARDS IDENTIFICATION.

Labelling to Directive 1999/45 EC The preparation is non-dangerous in accordance with Directive 1999/45/EC.
Safety phrases To avoid risks to man and the environment, comply with the instructions for use.
S1/2 - Keep locked up and out of the reach of children.
S13 - Keep away from food, drink and animal feedingstuffs.
S20/21 - When using do not eat, drink or smoke.
S46 - If Swallowed, seek medical advice immediately and show this container or label.
Other hazards Unlikely to cause harmful effects under normal conditions of handling and use. 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	Conc.	CAS	EINECS	Symbols/Risk phrases	Classification Reg (EC) No	1272/2008
Brodifacoum	0.005%	56073-10-0	259-980-5	EEC67/548 T+; R27/28 T; R48/24/25 N; R50/53	Acute Tox 1 Acute Tox 2 STOT RE 1 Aquatic Acute 1 Aquatic Chronic 1	H310 H300 H372 H400 H410
Denatonium benzoate	0.001%	3734-33-6	223-095-2	Xn;R20 Xn;R22 Xi;R37 Xi;R38 Xi;R41 R52/53	Acute Tox 4 Skin Irrit 2 Eye Dam 1 Aquatic Chronic 3	H302 Acute Tox 4 H332 H315 H318 H412
Flour	60 - 70%					
propane-1,2-diol (Propane-1,2-diol particulates)	1 - 10%	57-55-6	200-338-0			

Vertox Pasta Bait

Revision 4
Revision date 03-Mar-2014

4. FIRST AID MEASURES

Skin contact	May cause irritation to skin. Remove contaminated clothing. Wash off immediately with plenty of soap and water. If irritation persists obtain medical attention. Contaminated clothing should be washed and dried before re-use.
Eye contact	May cause irritation to eyes. Seek medical attention if irritation or symptoms persist. Wash with water.
Inhalation	Move the exposed person to fresh air. Obtain medical advice immediately. Unlikely to present an inhalation hazard as the product is supplied as a paste.
Ingestion	If swallowed, seek medical advice immediately and show this container or label.
General information	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). ADVICE FOR DOCTORS: Brodifacoum is an anticoagulant which may produce bleeding; this may be delayed for several days after exposure. If there is no active bleeding the INR (prothrombin time) should be measured on presentation and 48-72 hours after exposure. If the INR is greater than 4, administer Vitamin K1 (phytomenadione) 5-10 mg by slow intravenous injection (100 µ g/kg body weight for a child). Treatment with phytomenadione (orally or intravenously) may be required for several weeks. The advice of the National Poisons Information Service (http://www.npis.org/) should be sought, particularly if active bleeding occurs.

5. FIRE FIGHTING MEASURES

Extinguishing media	Keep fire exposed containers cool by spraying with water if exposed to fire. Carbon dioxide (CO ₂) Alcohol resistant foam. Dry chemical. Use extinguishing media appropriate to the surrounding fire conditions. Do NOT use ... Do not use water jets.
Protective equipment	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 spillage if safe.
Clean up methods	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

Handling	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.
Storage	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.
Specific use	ready for use rodenticide containing 50 ppm brodifacoum.

Vertox Pasta Bait

Revision 4
Revision date 03-Mar-2014

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Flour	WEL 8-hr limit ppm: WEL 15 min limit ppm:	WEL 8-hr limit mg/m3: 10 WEL 15 min limit mg/m3: 30
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: -

Respiratory protection Not required under normal conditions of handling and use.

Hand protection Impervious gloves recommended.

Eye protection Not required under normal conditions of handling and use.

Protective equipment Wear protective clothing. Rubber boots.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Paste.
Colour	Red.
Odour	Characteristic.

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Toxicological information

Brodifacoum	Dermal Rat LD50 = 7.48 mg/kg Oral Rat LD50 = 0.27 mg/kg
Denatonium benzoate	Oral Rat LD50 = 749 mg/kg Inhalation Rat LC50/4 h = 0.2 mg/l
propane-1,2-diol	Oral Rat LD50 = >2000 mg.kg

Acute toxicity ORL RAT LD50 approx. 6 g/kg (calculated).

Corrosivity No irritation expected.

Sensitization Flour dust is a respiratory sensitiser causing asthma. As the product is a paste, it will not create any dust.

Mutagenic effects No evidence to suggest anticoagulant rodenticides are mutagenic.

Carcinogenic effects No evidence to suggest anticoagulant rodenticides are carcinogenic.

Vertex Pasta Bait

Revision 4
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12. ECOLOGICAL INFORMATION

Ecotoxicity As the product contains 50ppm brodifacoum , unlikely to be hazardous to aquatic life.

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

propane-1,2-diol Daphnia EC50/48h = > 100 mg/l mg/l
Fish LC50/96h = 100 mg/l mg/l

Further information Harmful to wildlife. Read all precautions before use.

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 The product is classified as non hazardous and is labelled in accordance with Biocides Directive 98/8 EEC.
Read the label before use.

Safety, Health and Environmental Regulations Regulation (EC) 1907/2006, Regulation (EC) 1272/2008 and Regulation (EC) 453/2010. Biocides Directive 98/8 EEC.

16. OTHER INFORMATION

Text of risk phrases and H phrases in Section 3. R20 - Harmful by inhalation. R22 - Harmful if swallowed.
R27/28 - Very toxic in contact with the skin and if swallowed.
R37 - Irritating to respiratory system. R38 - Irritating to skin. R41 - Risk of serious damage to eyes. R48/24/25 - Toxic: danger of serious damage to health by prolonged exposure in contact with the skin and if swallowed R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
H300 – Fatal if Swallowed H310 – Fatal in contact with the skin
H302 – Harmful if swallowed H332 – Harmful if Inhaled
H315 - Causes skin Irritation H318 - Causes serious eye damage
H372 – Causes damage to organs through prolonged or repeated.
H400 – Very Toxic to aquatic life H410 – Very toxic to aquatic life with long lasting effects.
H412 - Harmful to aquatic life with long lasting effects

Restricted use ready for use rodenticide containing 50 ppm brodifacoum. HSE No.: 8611

Further information HSE No.: 8611

Data sources Raw material suppliers Safety Data Sheets. EH40

Revision This document differs from the previous version in the following areas:
2 – Hazards identification; . Section 3 – Hazardous Ingredients 4 – First Aid Measures
8 – Respiratory Protection, Eye Protection;
13 – Disposal Considerations, 15 – Regulatory Information