



International

SAFETY DATA SHEET

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Vertox Contact Gel HSE No. 9296

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1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name	Vertox Contact Gel
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	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.
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3 . COMPOSITION / INFORMATION ON INGREDIENTS.

Hazardous ingredients	Conc.	CAS	EINECS	Symbols/Risk phrases
2,2'-Iminodiethanol	1 - 10%	111-42-2	203-868-0	Xn; R22-48/22 Xi; R38-41
Denatonium benzoate	0.001%	3734-33-6	223-095-2	Xn;R20 Xn;R22 Xi;R37 Xi;R38 Xi;R41 R52/53
Glycerine (Glycerol, mist)	90 - 100%	56-81-5		
Brodifacoum	0.005%	56073-10-0	259-980-5	T+; R27/28 T; R48/24/25 N; R50/53

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4. FIRST AID MEASURES

Skin contact	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. Contaminated clothing should be washed and dried before re-use.
Eye contact	May cause eye irritation of susceptible persons. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention.
Inhalation	Unlikely to present an inhalation hazard as the product is supplied as a paste. Move the exposed person to fresh air. Obtain medical advice immediately.
Ingestion	Harmful if swallowed. 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 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

Extinguishing media	Keep fire exposed containers cool by spraying with water if exposed to fire. Water spray. Alcohol resistant foam. Dry chemical. Carbon dioxide (CO ₂) Do not use water jets.
Fire hazards	Burning produces irritating, toxic and obnoxious fumes.
Protective equipment	In the event of fire. Wear: A chemical protection suit, 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.
Clean up methods	Clean up promptly by sweeping or vacuum. 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. Do not eat, drink or smoke in areas where this product is used or stored. 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. For indoor use only.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Glycerine (Glycerol, mist)	WEL 8-hr limit ppm: - WEL 15 min limit ppm: -	WEL 8-hr limit mg/m ³ : 10 WEL 15 min limit mg/m ³ : -
Respiratory protection	Not required under normal conditions of handling.	
Hand protection	Impervious gloves.	
Eye protection	Not required under normal conditions of handling.	
Protective equipment	Impervious clothing. Rubber boots.	

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9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Gel.
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

Denatonium benzoate	Oral Rat LD50 = 749 mg/kg Inhalation Rat LC50/4 h = 0.2 mg/l
Glycerine	Oral Rat LD50 = 12,600 mg/kg
Brodifacoum	Dermal Rat LD50 = 7.48 mg/kg Oral Rat LD50 = 0.27 mg/kg
Acute toxicity	ORL RAT LD50 approximately 6g/kg.
Corrosivity	No irritation expected.
Sensitization	No sensitization effects reported.
Mutagenic effects	No evidence to suggest anticoagulant rodenticides are mutagenic.
Carcinogenic effects	No evidence to suggest anticoagulant rodenticides are carcinogenic.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Harmful to wildlife. Read All Precautions before use.
Glycerine	Green Algae EC50/48h = > 2900 mg/l Fish LC50/96h = > 5000 mg/l mg/l
Brodifacoum	Algae EC50/72h = 0.04 mg/l Daphnia EC50/48h = 0.25 mg/l Rainbow trout LC50/96h = 0.042 mg/l
Further information	Wild mammals and birds may be at greater risk if the product is not used in accordance with its label. Low - level residues of rodenticides have been detected in a wide range of wildlife species. Proper use of products in accordance with the label, will help to minimise the exposure of wildlife to rodenticides.

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.

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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 To avoid risks to man and the environment, comply with the instructions for use.

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. Engineering control of operator exposure must be used where reasonably practicable in addition to the following items of personal protective equipment. Wear suitable protective gloves when handling or applying this product. Avoid excessive contamination of coveralls and launder regularly. However, engineering controls may replace personal protective equipment if a COSHH assessment shows that they provide an equal or higher standard of protection. Avoid all contact by mouth. Prevent access to gel by children, birds and non-target animals, particularly dogs, cats, pigs and poultry. 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. Harmful to wildlife.

Do not place bait where food, feed, or water could become contaminated (except when used in sewers). 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.

16. OTHER INFORMATION

Text of risk phrases in Section 3. R20 - Harmful by inhalation.
R22 - Harmful if swallowed.
R27/28 - Very toxic in contact with skin and if swallowed.
R37 - Irritating to respiratory system.
R38 - Irritating to skin.
R41 - Risk of serious damage to eyes.
R48/22 - Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R48/24/25 - Toxic: danger of serious damage to health by prolonged exposure in contact with 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.

Restricted use 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.