



International

SAFETY DATA SHEET

ACCORDING TO REGULATION (EC) No. 1907/2006
Rascal Bromadiolone Whole Wheat Bait

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Revision 2
Revision date 02-May-2014

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name Rascal Bromadiolone Whole Wheat Bait
Company PelGar International Ltd
Unit 13 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 50ppm bromadiolone.

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.
P14 - Safety data sheet available for professional user on request.
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.
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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 EEC 67/548	Classification Reg (EC) No 1272/2008
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 H302 Acute Tox 4 H332 Skin Irrit 2 H315 Eye Dam 1 H318 Aquatic Chronic 3 H412
propane-1,2-diol (Propane-1,2-diol particulates)	1-10%	57-55-6	200-338-0		
Whole Wheat Grain	90-100%				
Bromadiolone	0.005%	28772-56-7	249-205-9	T+; R26/27/28 T; R48/23/24/25 R50/53	Acute Tox 1 H330, H310, H300 STOT RE 2 H372 Aquatic Acute 1 H400 Aquatic Chronic 1 H410
1,2-Benzisothiazolin-3-one	<0.02%%	2634-33-5	220-120-9	Xn; R22 Xi; R38-41 R43 N; R50	Acute Tox 4 H302 Skin Irrit 2 H315 Eye Dam 1 H318 Skin Sens 1 H317 Aquatic Acute 1 H400

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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.
Eye contact	Contaminated clothing should be washed and dried before re-use. May cause eye irritation of susceptible persons. Rinse immediately with plenty of water and seek medical advice if irritation persists.
Inhalation	Unlikely to present an inhalation hazard unless excessive dust is present. Move the exposed person to fresh air. Obtain medical advice immediately.
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: Bromadiolone 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. Carbon dioxide (CO2) Alcohol resistant foam. Dry chemical. Use extinguishing media appropriate to the surrounding fire conditions. Do not use water jets.
Protective equipment	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.
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. 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.
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 50ppm bromadiolone.

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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: - WFI 15 min limit ppm: -	WEL 8-hr limit mg/m ³ : 10 WFI 15 min limit mg/m ³ : -
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/m ³ : 474 WEL 15 min limit mg/m ³ : -
Whole Wheat Grain	WEL 8-hr limit ppm: WEL 15 min limit ppm:	WEL 8-hr limit mg/m ³ : 10 (grain dust) WEL 15 min limit mg/m ³ : 30 (grain dust)

Respiratory protection	Unlikely to present an inhalation hazard unless excessive dust is present. If levels approach the WEL, then suitable approved respiratory protection should be worn.
Hand protection	Impervious gloves.
Eye protection	Not required under normal conditions of handling. Tight fitting goggles if exposed to excessive dust.
Protective equipment	Impervious clothing. Boots.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Granules.
Colour	Red.
Odour	None.
Relative density	1.27

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

Bromadiolone	Oral Rat LD50 = < 5mg/kg Dermal Rat LD50 = 23 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 22.5g/kg (calculated).
Corrosivity	No irritation expected.
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.

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12. ECOLOGICAL INFORMATION

Ecotoxicity	As the product contains 50ppm bromadiolone, unlikely to be hazardous to aquatic life.
Bromadiolone	Daphnia LC50/48h = 5.79 mg/l Rainbow trout LC50/96h = 2.89 mg/l
propane-1,2-diol	Daphnia EC50/48h = 4850 mg/l Fish LC50/96h = 4600 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.
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15. REGULATORY INFORMATION

Labelling	The product is classified as non hazardous.
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16. OTHER INFORMATION

Text of R and H phrases in Section 3.	R20 - Harmful by inhalation. R22 - Harmful if swallowed. R26/27/28 - Very toxic by inhalation, in contact with skin and if swallowed. R37 - Irritating to respiratory system. R38 - Irritating to skin. R41 - Risk of serious damage to eyes. R43 - May cause sensitisation by skin contact. R48/23/24/25 - Toxic: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed. R50 - Very toxic to aquatic organisms. 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 H302 - Harmful if swallowed. H310 - Fatal in contact with the skin H315 - Causes skin Irritation H317 - May cause an allergic skin reaction H318 - Causes serious eye damage H332 - Harmful if inhaled H372 - Causes damage to organs through prolonged or repeated exposure. 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 bromadiolone.
Further information	Approved under the Biocides Directive 98/8 EEC. Registration Number UK-2014-0832.
Data sources	Raw material suppliers Safety Data Sheets. CHIP 2009 EH40.
Revision	General Revision