

Material Safety Data Sheet

Product Name: The Big Cheese Rat & Mouse Killer

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Address: Unit 3, 19-23 Clarinda Road, Oakleigh South, Victoria, AUSTRALIA, 3167
Telephone: (03) 9543 5600
Fax (03) 9543 5300
Emergency 13 11 26
Use(s) Rodenticide
MSDS Date 1st February 2012

2. HAZARDS IDENTIFICATION

The preparation is non-hazardous, non-dangerous.

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.

UN No. P kg None Allocated
DG Class None Allocated
Subsidiary Risk(s) None Allocated
Group None Allocated
Hazchem Code None Allocated
EPG None Allocated
Poisons Sch Schedule 6 Poison

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Risk Phrases	CAS No.	Content
Difenacoum	T+,R28 T, R48/25 N, R50/53	56073-07-5	0.005%
Denatonium Benzoate	Xn, R20 Xn, R22 Xi, R37 Xi, R38 Xi, R41 R52/53	3734-33-6	0.001%
(Propane 1,2 particulates) Sugar		57-55-6	1-10%
Kaolin (respirable dust)		1332-58-7	1-10%

Risk Phrases

R20 Harmful by inhalation R41 Risk of serious damage to eyes
 R22 Harmful if swallowed R43 May cause sensitisation by skin contact

R28	Very toxic if swallowed	R38	Irritating to skin
R37	irritating to respiratory system	R50	Very toxic to aquatic organisms
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 aquatic environment.		
R52/53	Harmful to aquatic organisms, may cause long term adverse effects in aquatic environment.		

4. FIRST AID MEASURES

In case of accident or if you feel unwell, seek medical advice immediately.

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126) or a doctor.

Eye

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.

Skin

May cause skin irritation in susceptible persons. Remove all 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.

Ingestion

If swallowed, seek medical advice immediately and show this container or label.

Advice to Doctor

Difenacoum 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, 5-10mg by slow intravenous injection (100 ug/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 Services should be sought, particularly if active bleeding occurs.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Keep fire exposed containers cool by spraying with water if exposed to fire. Carbon dioxide Alcohol resistant foam. Dry Chemical. Use extinguishing media appropriate to the surrounding fire conditions.

Unsuitable Extinguishing Media

Do not use water jets.

Advice for fire-fighters

In the event of fire wear self contained breathing apparatus, suitable gloves and boots.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, protective equipment and emergency procedures

Wear suitable protective clothing, gloves and eye/ face protection.

Environmental Precautions

Prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers.

Methods and material for containment and cleaning up

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

7. STORAGE AND HANDLING

Storage

Store in the closed, original container in a dry, cool, well-ventilated area out of direct sunlight. Keep containers closed when not in use. Keep away from oxidising agents. Keep away from food and animal feed stuffs.

Precaution for safe handling

Avoid contact with eyes and skin. Avoid formation of dust. Do not smoke eat or drink whilst handling this product. Always use good personal hygiene procedures when handling chemicals. Wash hands and face before eating, drinking or smoking. Read label before use. Unlikely to produce dust as the product is a wax block.

Specific end uses

Ready for use rodenticide containing 50ppm difenacoum.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Propane – 1,2-diol (Propane- 1,2-diol particulates)	WEL 8-HR limit ppm: WEL 15min limit ppm:	WEL 8-HR limit mg/m3:10 WEL 15min limit mg/m3:
Propane – 1,2-diol (Propane-1,2-diol total vapour and particulates)	WEL 8 hr limit ppm:150 WEL 15min limit ppm:	WEL 8 hr limit mg/m3:474 WEL 15min limit mg/m3:
Kaolin (Kaolin, respirable dust)	WEL 8hr limit ppm: WEL 15min limit ppm:	WEL 8hr limit mg/m3:2 WEL 15 min limit mg/m3

WEL = Workplace Exposure Limit

Respiratory Protection

Wear suitable respiratory protective equipment when decanting the product.

Hand Protection

Impervious gloves.

Eye Protection

Tight fitting goggles if exposed to excessive dust.

Protective Equipment

Impervious clothing. Boots.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Blue, green or red pellets
Odour	Slight
pH	NOT AVAILABLE
Relative Density	0.6 – 0.7
Vapour Pressure	NOT DETERMINED
Vapour Density	NOT AVAILABLE
Flash Point	NOT RELEVANT
Evaporation Rate	NOT AVAILABLE
Auto-ignition Temperature	NOT AVAILABLE
Flammability limits	Combustible

10. STABILITY AND REACTIVITY

Chemical Stability

Stable under normal conditions of use.

Conditions to Avoid

Avoid contact with foodstuffs. Avoid exposure to heat, sparks and open flames.

Incompatible materials:

Incompatible with oxidising agents.

Hazardous Decomposition Products

Combustion or thermal decomposition will produce toxic and irritant fumes.

Hazardous Reactions

Possibility of hazardous reactions.

11. TOXICOLOGICAL INFORMATION

Difenacoum

Oral Rat LD50=1.8mg/kg

Dermal Rat LD50=51.5-63 mg/kg propane – 1,2-diol

Inhalation Rat LC50/4h = 16.27-20.74 ug/l

Denatonium Benzoate

Oral Rat LD50 =1.8mg/kg

Inhalation Rat LC50/4 h = 0.2mg/l

Oral Rat LD50 =>2000 mg.kg

Propane- 1,2-diol

Oral Rat LD50 =>2000mg.kg

Acute toxicity

ORL RAT LD50 approx. 30g/kg (calculated).

Corrosivity

No irritation expected.

Sensitisation

Floor dust are respiratory sensitisers causing asthma. As the product is pellet, it is unlikely to cause 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

As the product contains 50ppm Difenacoum it is unlikely to be hazardous to aquatic life.

Ecotoxicity

Avoid contaminating waterways.

Harmful to wildlife. Read all precautions before use.

Difenacoum

Algae EC50/72h=0.51mg/l

Daphnia LC50/48h=0.91mg/l

Rainbow trout LC50/96h=0.33mg/l

Propane-1,2-diol

Daphnia EC50/48h=4850mg/l

Fish LC50/96h=4600mg/l

13. DISPOSAL CONSIDERATIONS

General Information

Dispose of as hazardous waste 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

Road and Rail Transport

Not classified as Dangerous Goods.

Sea Transport

Not classified as Dangerous Goods.

Air Transport

Not classified as Dangerous Goods.

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture.

Labelling

The product is classified as non-hazardous and is labelled in accordance with Biocides Directive 98/8 EEC. Read 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. Poisons Schedule : Drugs & Poisons, Schedule 6.

16. OTHER INFORMATION

Disclaimer

This document is based on information concerning the product which has been provided to BGP by the manufacturer or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue.

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