



## SAFETY DATA SHEET

RATSHOT G RODENTICIDE GRAIN BAIT APVMA Approval No. 80667

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name RATSHOT G RODENTICIDE GRAIN BAIT APVMA Approval No. 80667

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Ready for use Rodenticide containing 50ppm Difenacoum.

Uses advised against No specific uses advised against are identified.

#### 1.3. Details of the supplier of the safety data sheet

Supplier Freezone Public Health  
Pty Ltd

Supplier Address: 18 Gilpin Street  
Shorncliffe QLD 4017

Supplier Phone: 07 3869 4436

Supplier Fax: 07 3869 4433

Supplier Email: [info@freezone.net.au](mailto:info@freezone.net.au)

#### Emergency telephone number

Emergency telephone Craig Jephcott 0412 200 252  
Poisons Information Centre 13 11 26

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

#### 2.2. Label elements

Hazard statements NC Not Classified

Precautionary  
statements

P102 Keep out of reach of children.  
 P103 Read label before use.  
 P220 Keep / Store away from foodstuffs, beverages and animal feeding stuffs.  
 P262 Do not get on skin.  
 P270 Do not eat, drink or smoke when using this product.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves [Professional users].  
 P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
 P404 Store in a closed container.  
 P405 Store locked up.  
 P501 Dispose of contents/container in accordance with local regulations.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

**SECTION 3: Composition/information on ingredients**

## 3.2. Mixtures

1,2-BENZISOTHIAZOLIN-3-ONE	0.02%
CAS number: 2634-33-5	
EC number: 220-120-9	
Classification Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411	

2,2'-Iminodiethanol	<0.1%
CAS number: 111-42-2	EC number: 203-868-0
Classification Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT RE 2 - H373	
DIFENACOUM (RoW)	0.005%
CAS number: 56073-07-5	EC number: 259-978-4
M factor (Acute) = 1	M factor (Chronic) = 1
Classification Acute Tox. 1 - H300 Acute Tox. 1 - H310 Acute Tox. 1 - H330 STOT RE 1 - H372 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	
Denatonium Benzoate	0.001%
CAS number: 3734-33-6	EC number: 223-095-2
Classification Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 3 - H412	

The full text for all hazard statements is displayed in Section 16.

**SECTION 4: First aid measures**4.1. Description of first aid measures

General information	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Advice for Medical Doctors: Difenacoum is an indirect anti-coagulant. Phytomenadione, Vitamin K, is antidotal. Determin 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.
Inhalation	Unlikely to present an inhalation hazard unless excessive dust is present. Move to fresh air. Obtain medical advice immediately. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms are severe or persist.
Ingestion	Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention immediately.
Skin contact	May cause irritation to susceptible persons. Immediately take off all contaminated clothing. Wash immediately with plenty of soap and water and seek medical advice
Eye contact	May cause eye irritation to susceptible persons. Rinse immediately with plenty of water and seek medical advice. Rinse cautiously with water for several minutes. Get medical attention if irritation persists after washing.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue.

4.2. Most important symptoms and effects, both acute and delayed

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Unlikely to present an inhalation hazard. If symptoms develop move the exposed person to fresh air. Immediately obtain medical advice.
Ingestion	Rinse mouth. Do NOT induce vomiting. Call a doctor immediately.
Skin contact	Prolonged contact may cause dryness of the skin.
Eye contact	No specific symptoms known. May be slightly irritating to eyes.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
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**SECTION 5: Firefighting measures**5.1. Extinguishing media

Suitable extinguishing media	The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
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Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

### 5.2. Special hazards arising from the substance or mixture

Specific hazards None known.

Hazardous combustion products Thermal decomposition or combustion products may include the following substances:  
Harmful gases or vapours.

### 5.3. Advice for firefighters

Protective actions during firefighting Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk.

### 6.2. Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Collect spillage with a shovel and broom, or similar and reuse, if possible. Collect and place in suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. For waste disposal, see Section 13.

### 6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Usage precautions Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs.

Keep container tightly sealed when not in use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Advice on general occupational hygiene

Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage.

Storage class

Unspecified storage.

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

Usage description

Ready to use rodenticide containing 50 ppm Difenacoum.

**SECTION 8: Exposure Controls/personal protection**8.1. Control parametersOccupational exposure limits

Propane-1,2-diol (Propane-1,2-diol Particulates)	WEL 8-Hr limit mg/M3: 10
Propane-1,2-diol (Propane-1,2-diol total vapour and particulates)	WEL 8-Hr limit ppm: 150
	WEL 8Hr limit mg/M3: 474
Whole Wheat Grain	WEL 8-hr limit mg/m3: 10 (grain dust)    WEL 15 min limit mg/m3: 30 (grain dust)

8.2. Exposure controls

Appropriate engineering controls	Provide adequate ventilation.
Personal protection	Keep away from food stuffs.
Eye/face protection	No specific eye protection required during normal use. Avoid contact with eyes.
Hand protection	Suitable chemical resistant gloves are recommended for professional users.
Other skin and body protection	Personal protective equipment for the body should be selected based on the task being performed and the risks involved.
Hygiene measures	Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.
Respiratory protection	No specific recommendations. Provide adequate ventilation.
Environmental exposure controls	Keep container tightly sealed when not in use. Avoid release to the environment.

**SECTION 9: Physical and Chemical Properties**9.1. Information on basic physical and chemical properties

Appearance	Whole wheat grains.
Colour	Blue.
Odour	Slight.
Odour threshold	No information available.
pH	No information available.
Melting point	Not relevant.
Initial boiling point and range	Not relevant.
Flash point	No information available.
Evaporation rate	Not relevant.

Evaporation factor	No information available.
Flammability (solid, gas)	combustible
Upper/lower flammability or explosive limits	No information available.
Other flammability	No information available.
Vapour pressure	Not relevant.
Vapour density	Not relevant.
Relative density	No information available.
Bulk density	No information available.
Solubility(ies)	No information available.
Partition coefficient	Not relevant.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Viscosity	Not relevant.
Explosive properties	Not considered to be explosive.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	Not oxidising.

## 9.2. Other information





Acute toxicity - inhalation

Notes (inhalation LC<sub>50</sub>) >5 mg/l (Dust)

Skin corrosion/irritation

Animal data Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Based on available data the classification criteria are not met.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

IARC carcinogenicity

None of the ingredients are listed or exempt.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Reproductive toxicity -  
development

Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Aspiration hazard Not relevant. Solid.

General information

No specific health hazards known. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation

No specific symptoms known.

Ingestion

See section 4 - First Aid

Skin contact

Prolonged contact may cause dryness of the skin.

Eye contact

No specific symptoms known. May be slightly irritating to eyes.

Route of entry	Ingestion Inhalation Skin and/or eye contact
Toxicity of ingredients	Denatonium Benzoate Oral (Rat) LD50 = 584 mg/kg Brodifacoum Acute Oral $\leq 5$ mg/kg Acute Dermal $\leq 50$ mg/kg Acute Inhalation $\leq 0.05$ mg/kg

## SECTION 12: Ecological Information

Ecotoxicity Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

### 12.1. Toxicity

Toxicity Based on available data the classification criteria are not met.

### 12.2. Persistence and degradability

Persistence and degradability The degradability of the product is not known.

### 12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not relevant.

### 12.4. Mobility in soil

Mobility No data available.

### 12.5. Results of PBT and vPvB assessment

### 12.6. Other adverse effects

Other adverse effects Toxic to mammals, including domesticated animals and birds if ingested. Exposure of non-target animals should be prevented.

Toxicity of ingredients Difenacoum Daphnia EC50/48Hr = 0.91 mg/l Rainbow trout LC50/96Hr = 0.33 mg/l

**SECTION 13: Disposal considerations**13.1. Waste treatment methods

General information	This material and its container must be disposed of in a safe way.
Disposal methods	Dispose of in accordance with applicable regional, national, and local laws and regulations. Dispose of Contaminated packaging as unused product unless fully cleaned.
Waste class	Waste disposal key number from EWC is 20 01 19 (Pesticides)

**SECTION 14: Transport information**

General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).
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14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.
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**SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations	Health and Safety at Work etc. Act 1974 (as amended). The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].
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EH40/2005 Workplace exposure limits.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

#### Inventories

EU - EINECS/ELINCS

None of the ingredients are listed or exempt.

## SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet	<p>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.</p> <p>ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.</p> <p>RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.</p> <p>IATA: International Air Transport Association.</p> <p>ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air.</p> <p>IMDG: International Maritime Dangerous Goods.</p> <p>CAS: Chemical Abstracts Service.</p> <p>ATE: Acute Toxicity Estimate.</p> <p>LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.</p> <p>LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).</p> <p>EC<sub>50</sub>: 50% of maximal Effective Concentration.</p> <p>PBT: Persistent, Bioaccumulative and Toxic substance.</p> <p>vPvB: Very Persistent and Very Bioaccumulative.</p>
Revision date	30/11/2021
Revision	3
Supersedes date	02/12/2016
Hazard statements in full	<p>H300 Fatal if swallowed.</p> <p>H302 Harmful if swallowed.</p> <p>H310 Fatal in contact with skin.</p> <p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H318 Causes serious eye damage.</p> <p>H319 Causes serious eye irritation.</p> <p>H330 Fatal if inhaled.</p> <p>H332 Harmful if inhaled.</p> <p>H372 Causes damage to organs (Blood) through prolonged or repeated exposure.</p> <p>H373 May cause damage to organs through prolonged or repeated exposure.</p>

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.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.