

# SAFETY DATA SHEET

## 7 in 1 GO RODENT BLOCKS

### 1: Identification of the Substance and Supplier

<b>Product Name</b>	<b>7 in 1 Go Rodent Blocks</b>
<b>Recommended Use</b>	Rodenticide
<b>Suppliers Details</b>	Orion AgriScience Ltd Unit 1, 15 Sir Gil Simpson Drive, Harewood, Christchurch, 8053 PO Box 39 071, Harewood, Christchurch, 8545 www.orionagriscience.co.nz
<b>Web Address</b>	www.orionagriscience.co.nz
<b>Email Address</b>	orders@orionagriscience.co.nz
<b>Telephone Number</b>	(03) 928 2386 (office hours), 0800 674 6627 (free phone)
<b>Emergency Telephone</b>	0800 CHEMCALL (0800 243 622) (24 hours)
<b>National Poison Centre</b>	0800 POISON (0800 764 766) (24 hours)
<b>Date of Issue/Revision</b>	April 2024

### 2: Hazards Identification

#### Hazard Pictograms



#### Signal Words

#### Hazard Classes:

Specific target organ toxicity (single or repeated)exposure (Cat. 2)

Hazardous to the aquatic environment chronic

Hazardous to terrestrial vertebrates

#### Warning

#### Hazard Statements:

H373 May cause damage to organs through prolonged or repeated exposure

H413 May cause long lasting harmful effects to aquatic life

H432 Toxic to terrestrial vertebrates

#### Precautionary Statements:

Prevention

P101 If medical advice is needed, have product container or label at hand

P102 Keep out of reach of children

P103 Read label carefully and follow all instructions

P260 Do not breathe dust

P273 Avoid release to the environment

Read label before use. Avoid contact with eyes and skin. When handling, wear personal protection as described in section 8. Do NOT lay baits in places accessible to children, pets, birds or other animals. Do NOT place baits in bush areas where stock or feral animals have access to baits. To reduce the risk of secondary poisoning, dead rats and mice should be collected for disposal. Do NOT let cats or dogs eat poisoned rats or mice. Take all reasonable steps to ensure that this product does not cause any significant adverse effects to the environment beyond the application area. Do not apply directly into or onto water.

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Response	P314 Get medical help if you feel unwell First aid measures described in section 4. In an emergency call 111, Police or Fire Brigade. For specialist advice in an
Storage	Keep out of reach of children
Disposal	P501 Dispose of any untaken or unused baits or packaging by wrapping in paper, placing in a plastic bag and disposing of via domestic or commercial waste. Do NOT use packaging for any other purpose. Dispose of carcasses by burying, or by wrapping in paper, placing in a plastic bag, and disposing of via domestic or commercial waste.

### 3: Composition/ Information on Ingredients

Mixture	CAS No	Content (% w/w)
<b>Ingredient</b>		
Brodifacoum (active ingredient)	56073-10-0	0.005
Denatonium benzoate (bittering agent)	3734-33-6	<0.1
Other ingredients	Proprietary	Remainder

### 4: First Aid Measures

If medical advice is needed, have product container or label at hand. For advice call the National Poisons Centre or a Doctor

<b>Ingestion:</b>	Seek medical advice. Do not induce vomiting
<b>Skin Contact:</b>	Wash with plenty of soap and water. Seek medical advice if feeling unwell
<b>Eye Contact:</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if easy to do so. Continue rinsing. Seek medical advice if irritation persists.
<b>Inhalation:</b>	Remove to fresh air and keep at rest in a position comfortable for breathing. Seek medical advice if feeling unwell.
<b>Workplace Facilities:</b>	Hand wash facility. Eye wash facility
<b>Advice to Doctor:</b>	Brodifacoum is an anticoagulant with a similar effect to warfarin. It acts by interfering with the synthesis of prothrombin. The specific antidote is vitamin K1 (phytomenandione). Determine prothrombin time not less than 18 hours after consumption. If elevated, administer vitamin K1 until prothrombin time normalizes. Continue monitoring of prothrombin time for 2 weeks after withdrawal of antidote, and resume treatment if necessary.
<b>National Poison Centre</b>	0800 POISON (0800 764 766) (24 hours)

symptoms or exposure which could occur if this material is not handled in accordance with instructions:

<b>Ingestion:</b>	Bleeding, e.g., from gums, under the skin, etc. Blood also in the faeces and urine. Increased tendency to bruise. Symptoms may be delayed
<b>Skin Contact:</b>	Can be absorbed via the skin (see symptoms under 'Ingestion' above).
<b>Eye Contact:</b>	None
<b>Inhalation:</b>	Not applicable

### 5: Fire-Fighting Measures

<b>Fire/Explosion Hazard</b>	Contains paraffin wax, which is combustible
<b>HAZCHEM Code</b>	Not applicable
<b>ERP Guide No</b>	Not applicable
<b>Extinguishing Media</b>	Water spray, foam, dry chemical or CO2. Avoid water jet.
<b>Fire Fighting Instructions</b>	During a fire, toxic fumes may be emitted. Wear self-contained breathing apparatus. Contain runoff.
<b>Specific Hazards Arising from Fire</b>	No data available

### 6: Accidental Release Measures

<b>Personal Precautions</b>	Wear protective clothing as described in section 8. Exclude non-essential people from the area.
<b>Environmental Precautions</b>	Prevent further spillage or leakage. Prevent material from entering drains, waterways, etc.
<b>Clean Up</b>	

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Keep bystanders away. Wear waterproof gloves and collect blocks. Brush up or wash away any residues. Reuse blocks where possible. Otherwise dispose of to a suitable landfill.

### 7: Handling and Storage

<b>Storage:</b>	Keep out of reach of children. Store in the original tightly closed container in a secure area. Keep away from food, drink and animal feed.
<b>Handling and Use:</b>	Keep out of reach of children. Refer to Prevention statements in section 2 above. Keep people and animals away from the area while placing blocks.
<b>REI</b>	None specified

### 8: Exposure Controls / Personal Protection

<b>Tolerable Exposure Limit</b>	None established
<b>Workplace Exposure Standards</b>	Brodifacoum 0.002 mg/m <sup>3</sup> . Paraffin wax fume 2 mg/m <sup>3</sup> (8hr TWA)
<b>Engineering Controls</b>	Locate baits in a bait station, or under cover or in a pipe. Baits can be nailed or secured in place with wire
<b>Personal Protection:</b>	
<b>Eye</b>	No specific eye protection required during normal use.
<b>Skin</b>	Gloves
<b>Respiratory</b>	Not required

Clean protective equipment after use

### 9: Physical and Chemical Properties

<b>Appearance</b>	Dark blue waxy block
<b>Odour</b>	Vanilla
<b>Odour Threshold</b>	No data available
<b>pH</b>	Not applicable
<b>Melting Point/Freezing Point</b>	60°C melting point approx.
<b>Boiling Point</b>	No data available
<b>Flash Point</b>	No data available
<b>Flammability</b>	Combustible
<b>Upper/Lower Flammability Limits</b>	No data available
<b>Vapour Pressure</b>	No data available
<b>Vapour Density</b>	No data available
<b>Relative Density</b>	1.17 approx.
<b>Solubility in Water</b>	Insoluble
<b>Partition Coefficient: n-octanol/water</b>	See section 12
<b>Auto ignition Temperature</b>	No data available
<b>Decomposition Temperature</b>	No data available
<b>Kinematic Viscosity</b>	No data available

### 10: Stability and Reactivity

<b>Stability</b>	Stable under normal conditions
<b>Hazardous Reactions</b>	None Expected
<b>Incompatibility</b>	Do not mix with fertilizers
<b>Hazardous Decomposition Products</b>	None Known

### 11: Toxicological Information

This section describes effects which could occur if this material is not handled in accordance with this data sheet and label instructions

<b>Acute Oral Toxicity</b>	Brodifacoum (Rat) LD50 = 0.27 mg/kg, Denatonium Benzoate Oral (Rat) LD50 = 584 mg/kg
<b>Acute Dermal Toxicity</b>	Brodifacoum (Rat) LD50 = 7.48 mg/kg

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### 12: Ecological Information

This section describes effects which could occur if this material is not handled in accordance with this data sheet and label instructions

The following information is presented in respect of the active ingredient:

<b>Ecotoxicity</b>	<ul style="list-style-type: none"> <li>Acute Oral LD50 (Duck) &gt; 0.31 mg/Kg</li> <li>LC50 (96 hr.) (Rainbow trout) 0.042 mg/L</li> <li>EC50 (48 hr) (Daphnia) 0.25 mg/L</li> <li>EC50 (72 hr) (green algae) 0.27 mg/L</li> </ul>
<b>Persistence/degradability</b>	Not rapidly biodegradable DT50 (soil) 157 days (typical)
<b>Bioaccumulative Potential</b>	No data available
<b>Soil Mobility</b>	No data available
<b>Environmental Exposure Limit:</b>	None established

### 13: Disposal Considerations

<b>Product</b>	Dispose of product by using it in accordance with the label. Waste product should be disposed of via domestic or commercial waste. For disposal of large quantities contact Orion AgriScience Ltd.
<b>Container</b>	Dispose of via domestic or commercial waste. Do not burn. Do not use packaging for any other purpose.

### 14: Transport Information

<b>Dangerous Goods</b>	
<b>UN Number</b>	Not Applicable – Not dangerous for transport
<b>Proper Shipping Name</b>	Not Applicable – Not dangerous for transport
<b>Class</b>	Not Applicable – Not dangerous for transport
<b>Subsidiary Class</b>	Not Applicable – Not dangerous for transport
<b>Packing Group</b>	Not Applicable – Not dangerous for transport
<b>Additional Information</b>	Not Applicable – Not dangerous for transport
<b>MTQ (Non-Commercial)</b>	Not Applicable – Not dangerous for transport
<b>Passenger Service Vehicle</b>	No restriction

### 15 Regulatory Information

<b>EPA Approval No</b>	HSR001594
<b>ACVM Registration No</b>	V9655
<b>Qualified Person</b>	Not required
<b>Certified Handler</b>	Not required
<b>Tracking</b>	Not required
<b>Record Keeping</b>	Not required
<b>Site Requirements under EPA Notice and HSWHS Regs:</b>	<ul style="list-style-type: none"> <li>A hazardous substance location compliance certificate is not required</li> <li>A hazardous area is not required</li> <li>Separation distances for class 3 and class 6 substances to protected places and public places is not applicable</li> <li>Fire extinguishers are not required</li> <li>Signage is required for more than 1000 Kg</li> <li>An emergency response plan is required for more than 10000 Kg</li> <li>Secondary containment is not required</li> <li>Segregation from incompatible substances is not required</li> </ul>

<b>Application Method</b>	The baits are approved for use as a ground based application only. Use only with an appropriate bait station, bait bag, or other container that is fixed to an object; or so that it is contained in some other way, such as in a pipe or burrow Applies where baits are applied outdoors in a place to which members of the public ordinarily have access.
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Signs must be posted at every normal entry point to the application area. Signs must give the following information:

- Identify the person responsible for the baiting, with contact details
- Identify the substance (e.g., 'Brodifacoum rat poison bait blocks')
- State that baits are toxic to humans and animals
- State the date of application

Signage must be clearly visible from a distance of at least 2 metres. Signage must remain in place until baits are consumed or retrieved, or for at least 12 months

For application on DOC land, permission under section 95A of the Hazardous Substances and New Organisms Act 1996 is required

Refer to NZS 8409:2004 'Management of Agrichemicals', and relevant local and regional council plans

### 16: Other Information

Glossary	
<b>ADE</b>	Acceptable Daily Exposure – A daily dose, received via any route, below which no adverse effects are expected over a lifetime of exposure
<b>ACVM</b>	Agricultural Compounds and Veterinary Medicines group of the Ministry of Primary Industries
<b>Cat.</b>	GHS category
<b>Certified Handler</b>	A qualification issued by a Compliance Certifier to handle and use particularly toxic substances (6.1A and 6.1B)
<b>DT50</b>	Time (days) for 50% reduction in concentration
<b>EC50</b>	Concentration required to produce an effect in 50% of organisms
<b>Environmental Exposure Limit</b>	Maximum concentration limit of a substance in an environmental medium, e.g., water, soil.
<b>EPA Notice</b>	Hazardous Property Controls Notice 2017
<b>ERP Guide</b>	Dangerous Goods – Initial Emergency Response Guide SNZ HB 76:2008
<b>GHS</b>	Globally harmonized system of classification and labelling of chemicals
<b>Hazardous Substance Location</b>	For locations storing hazard substances of certain classes above threshold quantities
<b>Hazardous Area</b>	A designated area designed for the presence of flammable substances - Refer AS/NZS 60079.10.1:2009
<b>HAZCHEM Code</b>	Emergency action code for emergency services
<b>HSWHS Regs</b>	Health and Safety at Work (Hazardous Substances) Regulations 2017
<b>LC50</b>	Concentration that will kill 50% of organisms
<b>LD50</b>	Dose that will kill 50% of organisms
<b>MTQ</b>	Maximum Transport Quantity. The maximum amount of dangerous goods that can be transported by road by the user
<b>Notification</b>	Advance notice given to neighbours and other affected parties, of details of proposed application, and other details as described
<b>PDE</b>	Permitted Daily Exposure - A daily dose below which no adverse effects are expected over a lifetime of exposure
<b>Protected Place</b>	Residential properties, schools, hospitals, kindys, factories, shops, warehouses, etc., and other places where people assemble
<b>Public Place</b>	A place frequented by the public, including roads (does not include private property)
<b>Qualified Person</b>	A requirement for the loader, contractor or person applying the product to hold a qualification such as a GROWSAFE Certificate, Unit Standard 21563, etc.

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<b>Record Keeping</b>	Includes a spray diary or other record of application
<b>REI</b>	Restricted Entry Interval – The length of time after application before entry into the treated area is permitted without the use of protective equipment. For indoor environments, this time period commences once ventilation after treatment begins.
<b>Segregation</b>	Certain classes of substances must not be in contact with, and must be stored separately from, certain other classes as specified in HSWHS Regs
<b>Separation Distances</b>	The distances specified in Part 11 and Part 13 of HSWHS Regs between storage and/or use of hazardous substances and protected places and/or public places
<b>Signage</b>	Positioned at entrances to commercial premises providing information on the hazardous substances present
<b>Soil Adsorption Coefficient (Kd)</b>	The ratio of the concentrations of a substance adsorbed onto a solid sorbent to that dissolved in a liquid phase. The higher the value the less mobile the chemical is in soil
<b>Soil Organic Carbon-Water Partitioning Coefficient (Koc)</b>	The ratio of the mass of a chemical that is adsorbed in the soil per unit mass of organic carbon in the soil. The higher the value the less mobile the chemical is in soil
<b>STEL</b>	Short term exposure level – 15 minute time weighted average
<b>Tolerable Exposure Limit</b>	Maximum concentration limit of a substance above which persons must not be exposed
<b>Tracking</b>	For some particularly hazardous substances, a record must be kept of the transport, storage, sale and use of the product
<b>Workplace Exposure Standard</b>	An occupational health standard limiting concentrations of specified substances to which persons are exposed
<b>Workplace Only</b>	A product that is restricted to a workplace only and under the supervision of a certified handler

### Please Note

Users must ensure that the most up to date version of this safety data sheet is used.

This Safety Data Sheet summarises information on this product, and how to safely handle and use the product. Each user should familiarise themselves with the product label and Safety Data Sheet, and consider the information in the context of how the product will be handled and used, including in conjunction with other products. Orion AgriScience Ltd assumes no responsibility for the accuracy, completeness or suitability of this information. The user is responsible for determining the suitability and accuracy of this information for their particular purposes.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.