

SAFETY DATA SHEET

Date of Issue: 31.01.2020

Issue: 5

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: **RID RAT SUPER**
DESCRIPTION & USE: Anticoagulant grain bait for rats and mice.

COMPANY IDENTIFICATION : Rentokil Products NZ
Level 1, 89 Carbine Road,
Mt Wellington
Auckland 1060
Private Bag 92905, Onehunga,
Auckland 1643
Tel (+64) (9) 573 7740
Fax (+64) (9) 573 0264

Emergency Telephone Numbers: **National Poisons Centre**
Tel 0800 POISON (0800 764 766)
Emergency Service (Police, Fire, Ambulance)
Dial 111

2. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

Product classified as hazardous according to Schedules 1 to 6 of the Hazardous Substances (Classification) Notice 2017 of the HSNO Act 1996.

EPA Register No: HSR001603

HSNO Classifications: 6.9B, 9.1D



Signal word: WARNING

Hazard statements:

H363 May cause damage to organs through prolonged or repeated exposure.

H413 May cause long lasting harmful effects to aquatic life.

Prevention statements:

P103 Read label before use.

P260 Do not breathe dust/vapours.

P273 Avoid release to the environment.

Response statements:

P314 Get medical advice if you feel unwell.

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Storage statements:

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Disposal statement:

P501 Dispose of containers and product in accordance with any local regulations.

3. COMPOSITION: INFORMATION ON INGREDIENTS

| Common name | CAS. No | % w/w |
|-----------------------------------|--------------|---------|
| Bromadiolone | 28772-56-7 | 0.005 |
| Other ingredients (non hazardous) | Trade secret | Balance |

4. FIRST AID MEASURES

Consult the National Poisons Centre, telephone 0800 764 766 [0800 POISON] or a doctor in every case of suspected poisoning. Have product label or container at hand.

INGESTION: Do NOT induce vomiting. Rinse mouth. Immediately seek medical advice.

If vomiting occurs spontaneously, keep head below hips to prevent aspiration into lungs.

EYES: Hold eyes open and carefully rinse eyes with running water for 15 minutes. Remove contact lenses, if present and easy to do after first 5 minutes then continue rinsing.

Seek medical advice if eye irritation persists.

SKIN: Wash with soap and plenty of water. Get medical attention if irritation persists.

INHALATION: Remove to fresh air. Get medical advice if person feels unwell.

ADVICE TO DOCTOR: Vitamin K1 is used as a specific antidote.

5. FIRE FIGHTING MEASURES

FLASH POINT: Non flammable.

FLAMMABLE LIMITS: LFL: Not applicable UFL: Not applicable

EXTINGUISHING MEDIA: Water fog or spray, foam, CO₂, dry chemical.

COMBUSTION PRODUCTS: Smoke, unspecified harmful/toxic compounds.

FIRE & EXPLOSION HAZARDS: Product is combustible.

FIRE-FIGHTING EQUIPMENT: Wear self-contained breathing apparatus (SCBA) and personal protection clothing.

6. ACCIDENTAL RELEASE MEASURES

SPILLS: Contain spillage. Wear appropriate protective equipment, e.g. gloves. Prevent contamination of waterways.

Sweep up and place in labeled container that can be sealed for disposal in accordance with local regulations.

7. HANDLING AND STORAGE

HANDLING: Read label before use. Keep out of reach of children. Wear gloves when handling. Use only in enclosed bait stations and place where children and domestic pets do not have access. Wash hands before eating, drinking or smoking and after use.

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STORAGE: Store securely in closed original container in dry place out of reach of children and pets, and away from food, drink and animal feedstuffs.

8. EXPOSURE CONTROLS: PERSONAL PROTECTION

EXPOSURE GUIDELINES: No Workplace Exposure Standard (WES) has been set by WorkSafe NZ for this substance.

ENGINEERING CONTROLS: None specified.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Face/Eye protection: None specified.

Skin protection: Rubber or PVC gloves.

Respiratory protection: Should not be required when product is used in well-ventilated areas.

Other: Not specified.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---------------------------------|
| Appearance: | Green colored whole wheat grain |
| Odor | No perceptible odor |
| Odor threshold: | Not available |
| pH: | Not applicable |
| Melting point/Freezing point (°C): | Not available |
| Boiling point (°C): | Not applicable |
| Flash point (°C): | Not flammable |
| Flammability (solid, gas): | Not applicable |
| Upper/lower flammability limits: | Not applicable |
| Vapour pressure (Pa at 0°C): | Not available |
| Vapour density: | Not available |
| Density, g/cc: | Not available |
| Solubility: | Insoluble in water |
| Partition coefficient: n-octanol/water: | Not available |
| Auto ignition temperature (°C): | Not available |
| Decomposition temperature (°C): | Not available |
| Kinematic viscosity: | Not applicable |

10. STABILITY AND REACTIVITY

STABILITY (CONDITIONS TO AVOID): Stable under normal use and storage conditions.

INCOMPATIBILITY (MATERIALS TO AVOID): None identified.

HAZARDOUS DECOMPOSITION PRODUCTS: Unspecified harmful/toxic compounds.

HAZARDOUS POLYMERIZATION: Not known to occur.

11. TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS: This section includes possible adverse effects, which might occur if this product is not handled in the recommended manner.

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ACUTE TOXICITY: Not classified as harmful if swallowed, inhaled or absorbed through skin.

ASPIRATION HAZARD Not classified.

RESPIRATORY IRRITATION: Spray mist may be slightly irritating.

SKIN CORROSION/IRRITATION: Not classified.

EYE DAMAGE/IRRITATION: Physical form (grain) may be irritating.

RESPIRATORY O SKIN SENSITISATION: Not classified.

MUTAGENICITY (EFFECTS ON GENETIC MATERIAL): No adverse effects identified.

CANCER INFORMATION: No adverse effects identified.

REPRODUCTIVE OR TERATOLOGY (BIRTH DEFECTS) DEFECTS: Not classified.

SYSTEMIC (OTHER TARGET ORGAN) EFFECTS: Anticoagulants reduce the clotting power of blood so internal and external hemorrhages occur. This will cause death if sufficient quantities are consumed. Symptoms of poisoning are bleeding gums, pallor, hemorrhage at elbows, knees and buttocks, blood in urine and faeces, and very occasionally paralysis due to cerebral hemorrhage.

NARCOTIC EFFECTS: No information available to indicate any effect.

TOXICOLOGY DATA:

Bromadiolone Rat LD₅₀ (oral) 0.56 mg/kg

Rabbit LD₅₀ (dermal) 1.71 mg/L

Rat LC₅₀ 4hr (inhalation) 0.0004 mg/L

12. ECOTOXICITY INFORMATION

ECOTOXICITY: Product is classified as harmful to aquatic life with long lasting effects.

Product is used a Vertebrate Toxic Agent for rats and mice.

DEGRADATION AND PERSISTENCE: Bromadiolone does not readily degrade.

POTENTIAL TO BE BIOACCUMULATIVE: Bromadiolone may bioaccumulate.

MOBILITY IN SOIL: Product (coated grain) is not soluble in water.

OTHER INFORMATION: Not available.

ECOTOXICOLOGICAL DATA:

Bromadiolone Rainbow trout LC₅₀ (96hr) 0.24 mg/L

Daphnia magna LC₅₀ (48 hr) 0.24 mg/L

13. DISPOSAL CONSIDERATIONS

PRODUCT: Place in sealed labelled container and of dispose of as waste to an approved landfill in accordance with local authority regulations.

CONTAINER: Do not use for storage of other products; containers may contain hazardous residues. Crush and bury in approved landfill in accordance with local authority regulations.

14. TRANSPORT REGULATIONS

TRANSPORT:

UN Number: Non regulated

PROPER SHIPPING NAME: -

Class: -

Packing Group: III

HAZCHEM: 3Z

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DANGEROUS GOODS SEGREGATION:

This product is not classified as a Dangerous Good for Land Transport. Please consult the Land Transport Rule: Dangerous Goods 2005 and NZS 5433:2012 *Transport of Dangerous Goods on Land* for further information.

15. REGULATORY INFORMATION

Hazardous substance according to the HSNO Act 1996 Hazardous Substances (Classification) Notice 2017.

HSNO Approval Code: HSR001603

Substance name: Bait containing 0.05 g/kg - 0.1 g/lg bromadiolone.

Refer to Section 2 for hazardous classifications and to www.epa.govt.nz for Controls and Conditions.

Regulation: 77A

Description: Any changes to the composition or proposed use of the proposed substance must be notified to the Authority in writing before the substance is used.

Variation:

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- (1) Any changes to the composition or proposed use of this substance must be notified to the Authority in writing before the substance is used. The notification should include the following information, as applicable:
 - (a) the name of substance and HSNO approval number;
 - (b) details of the original formulation;
 - (c) details of the revised formulation clearly identifying the changed ingredients, their function in the bait, and their concentration and CAS number if appropriate;
 - (d) the physical form, if different from the original;
 - (e) bait colour;
 - (f) changes in bait size;
 - (g) the intended use(s) of the substance (to include target species, method(s) of release);
 - (h) change in food bait where the substance requires mixing with bait prior to use;
 - (i) the physical properties of the substance (for example, flashpoint, pH) if different from the original;
 - (j) the impurity profile and source of the 'active' ingredient, if different from the original;
 - (k) any information on the effect that the formulation change may have on the risk profile of the substance, including the results of any palatability or field trials undertaken on both target and non-target species.
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Regulation: 77A

Description: No person may apply this substance unless that person first obtains a permission from the Authority under section 95A of the Hazardous Substances and New Organisms Act 1996.

Variation:

- (1) No person may apply or otherwise use this substance on land administered or managed by the Department of Conservation unless the person first obtains a Permission under section 95A of the Act from the Authority.

For additional compliance information refer to Worksafe NZ www.worksafe.govt.nz.

ACVM Act 1996

Registration number: V002964 RID RAT SUPER

16. OTHER INFORMATION

Date of Issue: 31 January, 2020
Reason for issue: 5-year review of SDS.
Replaces: Safety Data Sheet dated 21 January 2015

Abbreviations:

EPA Environmental Protection Authority
GHS Global Harmonised System
HSNO Hazardous Substances and New Organisms Act
NZIoC New Zealand Inventory of Chemicals
STEL Short Term Exposure Limit (15 minute exposure period)
TWA Time-Weighted Average (8 hours exposure period)
WES Workplace Exposure Standard

References:

EPA website www.epa.govt.nz
Supplier Safety Data Sheets

Before using any product, read its label carefully and ensure that you understand its contents. This information is, to the best of our knowledge and belief, accurate and reliable at the date of publication. The information relates only to the specific material designated and may not be valid for such material if it is used in combination with any other material(s). Rentokil Initial Limited disclaims any liability for loss or damage suffered from the use of this information. This does not affect your statutory rights. It is the user's responsibility to satisfy themselves as to the suitability and completeness of such information for his/her own particular use.

END of SAFETY DATA SHEET