

SAFETY DATA SHEET

Rentokil

The Experts in Pest Control

Date of Issue: 1.03.2018

Issue: 3

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: BROMARD with Bitrex™

USE: Anticoagulant bait for rats and mice for use by professional pest controllers applied as ground based applications in a bait station..

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

Emergency Telephone Numbers: National Poison 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 (Minimum Degrees of Hazard) Regulations 2001 of the HSNO Act 1996.

HSNO Register: HSR001603

HSNO Classifications: 6.9B, 9.1D



Signal word: WARNING

Hazard statements:

H373 May cause damage to organs through prolonged or repeated exposure

H402 Harmful to aquatic life

Prevention statements:

P103 Read label before use

P260 Do not breathe dust/vapour/fume.

P273 Avoid release to the environment

Response statements:

P314 Get medical advice if you feel unwell.

Storage statements:

-

Disposal statements:

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	0.01
Denatonium benzoate	3734-33-6	< 1.0
Other ingredients (non hazardous)	Proprietary	balance

4. FIRST AID MEASURES

Consult the National Poison Centre, telephone 0800 764 766 [0800 POISON] or a doctor in every case of suspected poisoning.

EYES: Hold eye open and carefully rinse eyes with running water. Remove contact lenses, if present and easy to do. Avoid wash off into unaffected eye. Seek medical advice.

SKIN: Remove contaminated clothing immediately. Wash affected area with soap and water and rinse thoroughly. Wash and dry contaminated clothing before re-use.

INGESTION: Do NOT induce vomiting. If conscious give 1 or 2 glasses of water to drink. If unconscious, place in recover position and get medical advice.

INHALATION: Unlikely to be an exposure route.

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

Determine prothrombin times not less than eighteen hours after ingestion of bait. If elevated, administer Vitamin K1 until prothrombin time is normal. Continue monitoring prothrombin time for two weeks after ceasing antidote but resume treatment if the prothrombin time increases.

5. FIRE FIGHTING MEASURES

FLASH POINT: Non flammable

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

FIRE & EXPLOSION HAZARDS: Product will burn. Incineration will evolve toxic and irritating vapours and smoke.

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

6. ACCIDENTAL RELEASE MEASURES

SPILLS: Wear personal protective equipment. Do not allow to contaminate drains, surface or ground water, and soil. Recover product to suitable container for re-use or disposal.

7. HANDLING AND STORAGE

HANDLING: For use by professional pest controllers only. Read label before use. Wear synthetic rubber or PVC gloves. Use as directed on label for ground based applications in bait stations and to minimize access by children, pets and non-target species. Wash hands and exposed skin before eating, drinking or smoking and after work.

STORAGE: Store in closed original container in a safe 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 for this substance.

ENGINEERING CONTROLS: None specified.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Face/Eye protection: Not necessary.

Skin protection: Synthetic rubber or PVC gloves.

Respiratory protection: Not applicable.

Other: None specified.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Blue paste
Odour	No perceptible odour
Odour threshold:	No information available
pH:	Not applicable
Melting point (°C):	~ 45 °C
Initial Boiling point/range (°C):	Not applicable
Flash point (°C):	Not applicable
Flammability (solid, gas):	Non flammable
Upper/lower flammability limits:	Not applicable
Vapour pressure:	Not applicable
Vapour density:	Not applicable
Relative density at 20°C:	1.0
Solubilities:	Insoluble in water
Partition coefficient: n-octanol/water:	Not applicable
Auto ignition temperature (°C):	Not known
Decomposition temperature:	Not known
Kinematic viscosity:	Not applicable

10. STABILITY AND REACTIVITY

CHEMICAL REACTIVITY AND STABILITY: Avoid extremes of temperature, i.e. below 0C and above 40 °C.

HAZARDOUS POLYMERIZATION: Not known to occur.

INCOMPATIBILITY (MATERIALS TO AVOID): None identified.

HAZARDOUS DECOMPOSITION PRODUCTS: Non specified toxic and irritating vapours when heated or burnt.

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.

ACUTE TOXICITY: The acute oral LD₅₀ for the rat for the Bromadiolone active is 0.56 mg/kg. However the formulated bait product is not acutely toxic.

ASPIRATION HAZARD:

RESPIRATORY IRRITATION:

SKIN CORROSION/IRRITATION: May be slightly irritating to the eye but is not classified as a skin irritant.

SERIOUS EYE DAMAGE/IRRITATION: May be slightly irritating to the eye but is not classified as an eye irritant.

RESPIRATORY OR SKIN SENSITISATION: Not classified.

GERM CELL MUTAGENICITY: Not classified.

CARCINOGENICITY: Not classified.

REPRODUCTIVE TOXICITY: Not classified.

SPECIFIC ORGAN TOXICITY: Repeated exposure may result in effects to blood and hematopoietic system, 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: Not classified.

12. ECOTOXICITY INFORMATION

ECOTOXICITY: Classified as harmful to aquatic life. Product is used as rodenticide.

DEGRADATION AND PERSISTENCE: Bromadiolone has a Log_{POW} that is > 3, indicating a potential to bioaccumulate. However the concentration of this active present in the product is very low.

BIOACCUMULATION: Data on product is not available.

MOBILITY IN SOIL: Insoluble in water. Other data not available.

13. DISPOSAL CONSIDERATIONS

Bait and bait packaging must be disposed of in accordance with label instructions and in accordance with local regulations. All dead rodent bodies if seen must be recovered if possible and disposed of safely to avoid contact by children, domestic animals or wildlife. Do not place carcasses in refuse bins or on normal rubbish collections.

14. TRANSPORT REGULATIONS

TRANSPORT:

UN Number: Not classified

HAZCHEM: -

Class: -

Packing Group: III (or IV) - refer section 15

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

HSNO Register: HSR001603; Bait containing 0.05g/kg - 0.1 g/kg bromadiolone.
Refer to www.epa.govt.nz for the applicable Controls under the HSNO Act 1996.

Registered as a Vertebrate Toxic Agent (VTA) pursuant to the ACVM Act 1997 No. V004023.
See www.foodsafety.govt.nz for registration conditions

16. OTHER INFORMATION

Date of Issue:	1.03.2018
Reason for issue:	Review and update Safety Data Sheet.
Replaces:	Safety Data Sheet dated 26.02.2013
Abbreviations:	
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms
Prothrombin	Term used to measure clotting time of blood
STEL	Short Term Exposure Limit
TWA	Time Weighted Average
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