

MATERIAL SAFETY DATA SHEET

Company Details

Rentokil Initial Pty Ltd

150 Mowbray Rd

Willoughby NSW 2068 ACN 000 034 597

Emergency Telephone

(02)9370 9300

Not classified as hazardous according to criteria of NOHSC Australia.

I IDENTIFICATION

Product Name: Rentokil Bromakil Range of Products

Other Names: This MSDS covers the Bromakil range including Super Rat Bait Sachets & Blocks, Bromakil-P

Product Code: 33908, 33909, 33910, 33911, 47617, 48145

UN No: None allocated

Hazchem Code: None allocated

Dangerous Goods Class: None allocated.

Sub Risk Class: No Subsidiary Risk.

Packaging Group: None allocated

Poison Schedule: S6

Product Type: Rat bait.

Chemical Family: Contains Bromadiolone.

Uses: Baiting and eradication of rats and mice in domestic and industrial situations.

Physical appearance & Properties:

Appearance & Odour: Green coloured grains, pellets or blocks depending on the particular product.

Melting/softening point: Not applicable. Solid at normal temperatures.

Boiling point and vapour pressure: Not applicable.

Volatile materials: Nil

Flashpoint: Not flammable.

Specific gravity: No data. Expected to be less than 1.0

Solubility in water: Insoluble.

Corrosiveness: Not corrosive.

Ingredients:

Chemical entity

CAS No

Proportion

Worksafe Exposure Limits

TWA

STEL

mg/m³

mg/m³

Bromadiolone

28772-56-7

0.005

not set

not set

Carrier (lard, grain and/or other)

not set

to 100

not set

not set

This is a commercial product, and the exact ratio of components may vary. Trace quantities of impurities are also likely.

II HEALTH HAZARD DATA

Health Effects:

No specific data is available for the product for chronic exposure symptoms. The ingredients are not listed as carcinogenic in Worksafe's document "Exposure Standards for Atmospheric Contaminants in the Occupational Environment" (May 1995), nor in NOHSC's "List of Designated Hazardous Substances" (April 1999).

Acute Effects:

Poisonous if swallowed.

Swallowed: Data suggests that the product should be considered to be not harmful by ingestion.

Eye: Data suggests that this product should be classified as non irritating to the eyes.

Skin: Data suggests that the product should be classified as slightly irritating to the skin.

Inhalation: Data suggests that the product should be considered to be non irritating and non toxic by inhalation.

Primary route of exposure is inhalation and skin and eye contact.

LD₅₀ Oral (Rat, extrapolated) 20g/kg

First Aid:

Swallowed: If swallowed, do NOT induce vomiting. Rinse mouth with water. Give a glass of water to drink. Contact a doctor or Poisons Information Centre if symptoms of poisoning develop.

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Revised: September, 2000

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Eye: If this product comes into contact with eyes, hold eyes open and wash with running water. Ensure irrigation under eyelids by occasionally lifting eyelids. Do not attempt to remove contact lenses unless trained. Transport to hospital or doctor immediately if eye irritation develops.

Skin: If this product comes into contact with skin, wash skin with soap and water. Remove contaminated clothing and footwear. Ensure contaminated clothing is thoroughly washed before using again. Transport to hospital or doctor if skin irritation develops.

Inhalation: If fumes or combustion products are inhaled, remove to fresh air. Lay victim down & keep warm and rested. If breathing is shallow, or has stopped, ensure clear airway and apply resuscitation or oxygen if available. Transport to hospital or doctor immediately.

Advice to doctor: Vitamin K1 (phytomenadione) is antidotal. Note the nature of this product.

III PRECAUTIONS FOR USE

Exposure Standards:

A time weighted average (TWA) concentration for an 8 hour day, and 5 day week has not been established by Worksafe Australia for any of the ingredients in this product. There is a blanket limit of 10mg/m³ for dusts or mists when limits have not otherwise been established. The nature of this product makes it unlikely that this level will be approached in normal use.

See ingredients section on page 1 of this data sheet.

Engineering Controls:

In industrial situations, concentration values below the TWA value should be maintained. Values may be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe air borne concentrations of mists, dusts or vapours are high, you are advised to modify the process or environment to reduce the problem.

Personal Protection:

Avoid contact with eyes and skin. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

Respiratory Protection: A face mask or respirator may be used when the product is being used in dusty or confined areas. Otherwise it is usually safe to not use respiratory protection. However, there may be other circumstances where use of a mask or other device is preferred. Use judgement. For help in selecting suitable equipment consult AS1715.

Protective Gloves: When preparing product for use wear elbow length PVC gloves.

Eye Protection: Eye protective measures are not normally necessary, but are suggested when using this product.

Clothing: Clean overalls should be worn, preferably with an apron.

Safety Boots: No special measures.

Flammability Limits: Upper: No data, Lower: No data

Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using. After each day's use, wash gloves.

IV SAFE HANDLING INFORMATION

Storage & Transport:

No special requirements storage and transport requirements. This material has no UN Classification. Containers should be kept closed in order to minimise contamination. Keep from extreme heat and open flames, and make sure the material does not come into contact with water or acids.

This material is classed as a S6 Poison. Observe appropriate state regulations for storage, transport and sale.

Spills and disposals:

In event of a major spill, prevent spillage from entering drains or water courses. Wear full protective clothing including face mask, face shield and gauntlets.

Stop leak if safe to do so, and contain spill. Sweep up and shovel or collect recoverable product into labelled containers for disposal. After spills, wash area, preventing runoff from entering drains.

If material enters drains, advise emergency services.

This material may be suitable for approved landfill. Dispose of only in compliance with local, state and federal regulations.

Launder all contaminated clothing before re-use.

Fire/Explosion Hazard:

There is no explosion hazard from this material under normal circumstances.

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Flashpoint: Not flammable.

Extinguishing Media: carbon dioxide, dry chemical, foam.

Special Fire fighting procedures: Wear full protective clothing including face mask, face shield and gauntlets.

Unusual fire & Explosion hazards: Decomposition products are toxic. There is a moderate risk of an explosion from this product if involved in a fire. Heat may cause violent rupture of containers if involved in a fire.

Stability: Stable.

Polymerisation: Will not polymerise.

Decomposition Products: carbon dioxide, carbon monoxide, nitrogen oxides, oxides of sulfur, bromides, water.

Materials to avoid: Strong acids, strong alkalis, strong oxidising agents.

V OTHER INFORMATION

This MSDS is prepared in accord with the Worksafe Australia document "National Code of Practice for the Preparation of Material Safety Data Sheets", 1994.

The active ingredient of this product acts as an anticoagulant.

The following chart indicates approximate lethal doses:

	Body Weight	LD ₅₀ mg/kg	Lethal dose of bait
Adult	70kg	1-10*mg/kg	1-14kg
Child	20kg	1-10*mg/kg	0.3-4kg
Dog	10kg	10mg/kg	2kg
Cat	2kg	25mg/kg	1kg

* Estimate only - no accurate data available for humans.

Accidental poisoning of a dog:

- Acute toxicity - a 10kg dog would need to eat 2kg of bait to be fatal.
- Chronic toxicity - a 10kg dog would need to eat 4g/day of bait over 60 days to endanger its life.

Antidotal Therapy (for a dog).

- - same for acute and chronic poisoning
- i) Intravenous injection of Vitamin K1, 24 hours apart, at the rate of 5mg/kg
- followed by,
- ii) oral administrations of Vitamin K1, 24 hours apart, at the rate of 5mg/kg

Contact Points:

Police and Fire Brigade:

Dial 000

If ineffective:

Dial 1100 (Exchange)

For emergency response:

Dial (02)9370 9300

National Poisons Information Centre:

Dial 13 1126 (from anywhere in Australia)

THE DATA USED TO PREPARE THIS DOCUMENT HAS BEEN COLLATED FROM PUBLISHED INFORMATION. IT IS THE RESPONSIBILITY OF THE USER TO SATISFY HIMSELF OF THE COMPLETENESS OR SUITABILITY OF THE INFORMATION FOR HIS OWN USE.

Please read all labels carefully before using product.

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