

# Bayer Environmental Science

## Safety Data Sheet

### Racumin® Rat and Mouse Paste



Version / NZ  
10200007452

Revision Date: 18.07.2012

#### SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: **Racumin® Rat and Mouse Paste**  
Other names: None  
Product code (UVP): 05141435  
Recommended use: Rodenticide  
  
Chemical formulation: Bait (ready for use) (RB)  
  
Company: Bayer New Zealand Limited  
3 Argus Place  
Glenfield  
Auckland  
New Zealand  
  
Telephone: 0800 227 012  
Facsimile: 0800 227 011  
Website: www.bayeres.com.au  
Emergency telephone no.: 0800 734 607 Orica SH&E Shared Services (24hr)

#### SECTION 2. HAZARDS IDENTIFICATION

HAZARDOUS SUBSTANCE	Emergency Overview	NON-DANGEROUS GOODS
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Hazardous classification: Classified as hazardous according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

HSNO classifications: 6.9B, 9.1D.  
May cause organ damage from repeated oral exposure.  
May be harmful to aquatic life.

GHS pictogram:

Signal word: Warning.

R-phrase(s): None allocated.

S-phrase(s): See sections 4, 5, 6, 7, 8, 10, 13.

Dangerous goods classification: "Not dangerous goods" for transport according to NZS 5433:1999, UN, IMDG or IATA - See Section 14.

#### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature: Coumatetralyl 0.375 g/kg

Chemical Name	CAS-No.	Concentration [%]
Coumatetralyl	5836-29-3	0.0375
Other ingredients (non-hazardous) to 100 %		



**SECTION 4. FIRST AID MEASURES**

**In case of poisoning by any exposure route contact the National Poisons and Hazardous Chemicals Information Centre, P.O. Box 913, Dunedin. Phone 0800 764 766, 0800 POISON and follow the advice given. Show this Safety Data Sheet to the doctor.**

**Workplace facilities**

Ensure washing facilities are available.

**Skin contact**

Wash off thoroughly with plenty of soap and water, if available with polyethyleneglycol 400, subsequently rinse with water. If symptoms persist, call a physician.

**Eye contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention if irritation develops and persists.

**Ingestion**

Do NOT induce vomiting. Rinse mouth. Call a physician or poison control center immediately.

**Notes to physician**

**Symptoms**

State of shock, nose bleeding, bloody vomiting, abdominal pain, back pain.

**Treatment**

Treat symptomatically.  
Antidote: Vitamin K<sub>1</sub>. Cases of severe poisoning may require the usual measures like application of blood products or transfusions.  
In case of ingestion gastric lavage should be considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable.

**SECTION 5. FIRE FIGHTING MEASURES**

**Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Extinguishing media which should not be used for safety reasons**

High volume water jet.

**Hazards from combustion products**

Dangerous gases are evolved in the event of a fire.

**Precautions for fire-fighting**

In the event of fire, wear self-contained breathing apparatus.  
In the event of fire and/or explosion do not breathe fumes.  
Contain the spread of the fire-fighting media.  
Do not allow run-off from fire-fighting to enter drains or water courses.



**SECTION 6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions**

Avoid contact with spilled product or contaminated surfaces.  
Use personal protective equipment.

**Environmental precautions**

Do not allow to get into surface water, drains and ground water.

**Methods for cleaning up**

Use mechanical handling equipment.  
Collect and transfer the product into a properly labelled and tightly closed container.

- For quantities up to 50 kg of product bury in a secure approved landfill site.
- For quantities greater than 50 kg seek advice from the manufacturer (use emergency contact number) before attempting disposal. Contain in a secure location until disposal method is established.

Decontaminate the spill area with detergent and water and rinse with the smallest volume of water practicable.

**Additional advice**

Information regarding safe handling, see section 7.  
Information regarding personal protective equipment, see section 8.  
Information regarding waste disposal, see section 13.

**SECTION 7. HANDLING AND STORAGE**

**Handling**

Hygiene measures:

Avoid contact with skin, eyes and clothing.  
Keep working clothes separately.  
Wash hands before breaks and immediately after handling the product.  
Remove soiled clothing immediately and clean thoroughly before using again.  
Garments that cannot be cleaned must be destroyed (burnt).

**Storage**

Requirements for storage areas and containers:

Keep containers tightly closed in a dry, cool and well-ventilated place.  
Store in original container.  
Store in a place accessible by authorized persons only.

Advice on common storage:

Keep away from food, drink and animal feedingstuffs.

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Components with workplace control parameters**

Components	CAS-No.	Control parameters	Update	Basis
Coumatetralyl	5836-29-3	0.01 mg/m <sup>3</sup> (TWA)		OES BCS

For further details on the Occupational Exposure Standards, see Section 16.

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#### Personal protective equipment - End user

General advice: Prior to use; please read the product label for safe use.

Hand protection: The use of rubber gloves is recommended as good practice.

#### Engineering controls

Advice on safe handling:

No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Appearance

Form: Pasty to solid  
Colour: Blue  
Odour: Weak, characteristic

#### Safety data

pH: No data available

Melting point/range: > 200 °C

Flash point: No data available

Flammability (solid, gas): The product is not highly flammable.

Ignition temperature: 425 °C

Autoignition temperature: ca. 207 °C

Upper explosion limit: No data available

Lower explosion limit: No data available

Vapour pressure: No data available

Relative vapour density: No data available

Density: ca. 1.19 g/cm<sup>3</sup> at 20 °C

Water solubility: Not dispersible

Partition coefficient: n-octanol/water: No data available

Impact Sensitivity: Not impact-sensitive

Combustion number: CN3 Local combustion without spreading at 20 °C

Oxidizing properties: No oxidizing properties

Explosivity: Not explosive



#### SECTION 10. STABILITY AND REACTIVITY

Chemical stability:	Stable under recommended storage conditions.
Conditions to avoid:	Extreme heat and fire.
Incompatible materials:	None known.
Thermal decomposition:	From 110 °C.
Hazardous reactions:	No hazardous reactions when stored and handled according to prescribed instructions.

#### SECTION 11. TOXICOLOGICAL INFORMATION

##### Potential health effects

Ingestion:	Harmful if swallowed.
Inhalation:	Inhalation of the paste formulation is unlikely.

##### Animal toxicity studies

Acute oral toxicity:	LD <sub>50</sub> (rat) 1,000 mg/kg
Acute dermal toxicity:	LD <sub>50</sub> (rat) > 4,000 mg/kg
Skin irritation:	No skin irritation (rabbit).
Eye irritation:	No eye irritation (rabbit).
Sensitisation:	Non-sensitizing (mouse). OECD Test Guideline 429, local lymph node assay (LLNA)

##### HSNO classification

6.9B.  
May cause organ damage from repeated oral exposure.

##### Assessment mutagenicity

Coumatetralyl was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.

##### Assessment carcinogenicity

Coumatetralyl is not considered carcinogenic.

##### Assessment toxicity to reproduction

Coumatetralyl is not considered a reproductive toxicant at non-maternally toxic dose levels.

##### Assessment developmental toxicity

Coumatetralyl did not cause developmental toxicity in rats and rabbits.

##### Chronic toxicity

Because of antivitamin K properties of the active ingredient, absorption can inhibit blood coagulation and cause haemorrhagic syndrome.



**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity effects**

Toxicity to fish: LC<sub>50</sub> (Rainbow trout (*Oncorhynchus mykiss*)) 53 mg/L  
Exposure time: 96 h  
The value mentioned relates to the active ingredient.

Toxicity to aquatic invertebrates: EC<sub>50</sub> (Water flea (*Daphnia magna*)) > 14 mg/L  
Exposure time: 48 h  
The value mentioned relates to the active ingredient.

Toxicity to aquatic plants: IC<sub>50</sub> (*Desmodemus subspicatus*) > 18 mg/L  
Growth rate Exposure time: 96 h  
The value mentioned relates to the active ingredient.

**HSNO classification**

9.1D.  
May be harmful to aquatic life.

**SECTION 13. DISPOSAL CONSIDERATIONS**

**Product**

Dispose of this product only by using according to the label, or at an approved landfill or other approved facility.

**Container**

Shake empty container onto baiting site. Do not dispose of undiluted chemicals on-site. Break, crush or puncture and bury empty containers in a local authority landfill. If not available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots.

**SECTION 14. TRANSPORT INFORMATION**

According to national and international transport regulations not classified as dangerous goods.

**SECTION 15. REGULATORY INFORMATION**

EPA approval number: APPROVED PURSUANT TO THE HSNO ACT 1996, No. HSR001605.  
See [www.epa.govt.nz](http://www.epa.govt.nz) for approval controls.

ACVM approval: REGISTERED PURSUANT TO THE ACVM ACT 1997, NO. V005300.  
See [www.maf.govt.nz](http://www.maf.govt.nz) for registration conditions.

See also Section 2.

**SECTION 16. OTHER INFORMATION**

**Trademark information**

Racumin® is registered trademark of the Bayer Group.

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This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

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

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

#### **Further details on the Occupational Exposure Standards mentioned in Section 8:**

CEILING: Ceiling Limit Value

OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"

PEAK: Exposure Standard - Peak means a maximum or peak airborne concentration of a particular substance determined over the shortest analytically practicable period of time which does not exceed 15 minutes.

STEL: Exposure standard - short term exposure limit (STEL): A 15 minute TWA exposure which should not be exceeded at any time during a working day even if the eight-hour TWA average is within the TWA exposure standard. Exposures at the STEL should not be longer than 15 minutes and should not be repeated more than four times per day. There should be at least 60 minutes between successive exposures at the STEL.

SKIN\_DES: Skin notation: Absorption through the skin may be a significant source of exposure.

TWA: Exposure standard - time-weighted average (TWA): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day working week.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.
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END OF SDS