

Bayer Environmental Science
Safety Data Sheet
Racumin® Rat and Mouse Blocks



Version 1 / AUS
102000011797

Revision Date: 21.09.2012

SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: **Racumin® Rat and Mouse Blocks**
Other names: None
Product code (UVP): 04236661
Recommended use: Rodenticide

Chemical formulation: Block bait (BB)

Company: Bayer CropScience Pty. Ltd.
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SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview
NON-HAZARDOUS SUBSTANCE NON-DANGEROUS GOODS

Hazardous classification: Non-Hazardous (National Occupational Health and Safety Commission - NOHSC).

R-phrase(s): None allocated.

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

ADG Classification: Not "dangerous goods" for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. - See Section 14.

SUSMP classification (Poison Schedule): Schedule 5 (Standard for the Uniform Scheduling of Medicines and Poisons).

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature: Coumatetralyl 0.37 g/kg

Chemical Name	CAS-No.	Concentration [%]
Coumatetralyl	5836-29-3	0.037
Talc	14807-96-6	5.00
Other ingredients (non-hazardous) to 100 %		



SECTION 4. FIRST AID MEASURES

If poisoning occurs, immediately contact a doctor or Poisons Information Centre (telephone 13 11 26), and follow the advice given. Show this Safety Data Sheet to the doctor.

Skin contact

Wash off thoroughly with plenty of soap and water, if available with polyethyleneglycol 400, subsequently rinse with water.

Eye contact

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Ingestion

In the event of a mouthful or more being ingested, the following measures should be considered: Obtain medical attention.

Notes to physician

Symptoms

Symptoms of overexposure: Blood disorders.
Ingestion may provoke the following symptoms: Bruising and haemorrhage formation, nose bleeding, bloody vomiting.

Treatment

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.
Treat symptomatically.
Antidote: Vitamine K1. Cases of severe poisoning may require the usual measures like application of blood products or transfusions.

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing media

Water spray
Carbon dioxide (CO₂)
Foam
Sand

Hazards from combustion products

In the event of fire the following may be released:
Carbon monoxide (CO)

Precautions for fire-fighting

Wear self-contained breathing apparatus and protective suit.
Whenever possible, contain fire-fighting water by diking area with sand or earth.
Fight fire from upwind position.



SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions

An emergency shower must be readily accessible to the work area.
Use personal protective equipment.
Avoid contact with spilled product or contaminated surfaces.
Keep unauthorized people away.
Keep people away from and upwind of spill/leak.
Do not breathe dust.

Environmental precautions

Retain and dispose of contaminated wash water.

Methods for cleaning up

Sweep up or vacuum up spillage and collect in suitable container for disposal.
Contaminated soil may have to be removed and disposed.
Clean with detergents. Avoid solvents.

SECTION 7. HANDLING AND STORAGE

Storage

Requirements for storage areas and containers:

Keep out of the reach of children.
Keep containers tightly closed in a dry, cool and well-ventilated place.
Keep away from direct sunlight.

Suitable materials:

HDPE (high density polyethylene)
Polyethylene film within an outer package

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Control parameters	Update	Basis
Talc	14807-96-6	2.5 mg/m ³ (TWA)	12 2011	AU OEL

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

Personal protective equipment - End user

Hand protection: Protective gloves.

Engineering controls

Advice on safe handling:
Avoid contact with skin, eyes and clothing.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form: Pieces or block
Colour: Blue-grey
Odour: No data available

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Safety data

pH:	No data available
Flash point:	No data available
Ignition temperature:	No data available
Upper explosion limit:	No data available
Lower explosion limit:	No data available
Vapour pressure:	No data available
Relative vapour density:	No data available
Density:	No data available
Water solubility:	No data available
Partition coefficient: n-octanol/water:	No data available

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid:	Heat, flames and sparks. Exposure to moisture.
Materials to avoid:	Strong oxidizing agents.
Hazardous decomposition products:	Thermal decomposition can lead to release of: Carbon monoxide

SECTION 11. TOXICOLOGICAL INFORMATION

Potential health effects

Inhalation:	Inhalation not likely. May be harmful if inhaled.
Skin:	No skin irritation
Eye:	No eye irritation
Ingestion:	Ingestion of large amounts may be harmful (see Signs and Symptoms).

Animal toxicity data

Acute oral toxicity:	LD ₅₀ (rat) 16.5 mg/kg The value mentioned relates to the active ingredient coumatetralyl.
Acute inhalation toxicity:	LC ₅₀ (rat) 39 mg/L Exposure time: 4 h The value mentioned relates to the active ingredient coumatetralyl.



Acute dermal toxicity:	LD ₅₀ (rat) The value mentioned relates to the active ingredient coumatetralyl.
Skin irritation:	Not a skin irritant (rabbit). Test conducted with similar formulation.
Eye irritation:	Not an eye irritant (rabbit). Test conducted with similar formulation.

Chronic toxicity

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

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 was not a developmental toxicant in rats and rabbits.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish:	LC ₅₀ (Rainbow trout (<i>Oncorhynchus mykiss</i>)) 48 mg/L Exposure time: 96 h The value mentioned relates to the active ingredient coumatetralyl.
Toxicity to aquatic invertebrates:	EC ₅₀ (Daphnia) > 48 mg/L Exposure time: 48 h The value mentioned relates to the active ingredient coumatetralyl.
Toxicity to aquatic plants	EC ₅₀ (Algae) > 18 mg/L The value mentioned relates to the active ingredient coumatetralyl.
Toxicity to other organisms	LD ₅₀ (Japanese quail (<i>Coturnix japonica</i>)) > 2000 mg/kg bw The value mentioned relates to the active ingredient coumatetralyl.

SECTION 13. DISPOSAL CONSIDERATIONS

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

Registered according to the Agricultural and Veterinary Chemicals Code Act 1994.

Australian Pesticides and Veterinary Medicines Authority approval number: 52098.

See also Section 2.

SECTION 16. OTHER INFORMATION

Trademark information

Racumin® is a registered trademark of the Bayer Group.

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"

Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment)

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.

Reason for revision: Changed name from Material Safety Data Sheet to Safety Data Sheet.

END OF SDS