

SAFETY DATA SHEET



Publication date: November 2015 Sheet number: BES/SA 0080 Revised on: 7 September 2015 Revision number: 9

1) IDENTIFICATION OF THE SUBSTANCE / PREPARATION

Commercial name: **RACUMIN® 3D PASTE**

Usage: Rodenticide

Company identification: Bayer (Pty.) Ltd.
Reg. No. 1968/011192/07
P.O. Box 143, Isando 1600
SOUTH AFRICA

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Responsible department: Product Development and Regulatory Affairs
+27 11 921 5429/5471/5639
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In case of poisoning emergencies:
Bayer (office hours only): +27 11 921 5429/5471/5639
Tygerberg Poison Centre: +27 21 931 6129
Griffon Poison Information Centre: +27 82 446 8946

2) HAZARD IDENTIFICATION OF THE PRODUCT

Risk advice to man and the environment: Harmful if swallowed.

3) COMPOSITION / INFORMATION ON THE INGREDIENTS

Chemical nature: Bait (ready for use) (RB)
Coumatetralyl 0,0375 %
Cholecalciferol 0,01%

Hazardous components:

Chemical Name	CAS-No. / EINECS-No.	Symbol(s)	R-phrases	Concentration [%]
Coumatetralyl	5836-29-3 227-424-0	T+	R27/28, R48/24/25, R52/53	0,0375
Cholecalciferol	67-97-0 200-673-2	T+	R26, R24/25, R48/25	0,01

For the full text of the R-phrases/Hazard statements mentioned in this Section, see Section 16.

4) FIRST AID MEASURES

General advice: The nature of this product, when contained in commercial packs, makes spillage unlikely. However, if significant amounts are spilled nevertheless, the following advice is applicable.
Move out of dangerous area. When symptoms develop and persist, seek medical advice.

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

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

Symptoms: State of shock, Nose bleeding, Bloody vomiting, Abdominal pain, Back pain, hypercalcaemia, increased serum levels of 25-OH-vitamine D, Weakness, Vomiting, Thirst, Lethargy, Renal symptoms up to failure, gastrointestinal and central nervous symptoms are possible.

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. Antidote: Vitamine K1. Cases of severe poisoning may require the usual measures like application of blood products or transfusions. Activated charcoal and cathartics like sorbitol or magnesium sulphate should be given. Further treatment depends on calcium concentration in blood. Monitor: blood picture.

5) FIRE FIGHTING MEASURES

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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Specific hazards during fire fighting: Dangerous gases are evolved in the event of a fire

Special protective equipment for fire-fighters: In the event of fire, wear self-contained breathing apparatus. In the event of fire and/or explosion do not breathe fumes.

Further information: Contain the spread of the fire-fighting media.
Do not allow run-off from fire fighting to enter drains or water courses

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. Clean contaminated floors and objects thoroughly, observing environmental regulations. Keep in suitable, closed containers for disposal

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

7) HANDLING AND STORAGE

Storage: 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.
Keep away from direct sunlight

Advice on common storage: Keep away from food, drink and animal feedingstuffs.

Suitable materials: HDPE (high density polyethylene)

8) EXPOSURE CONTROLS AND PERSONAL PROTECTION

Components with workplace control parameters:

Components	CAS-No.	Control parameters	Basis
Coumatetralyl	5836-29-3	0.01 mg/m ³	OES BCS*

*OES BCS: Internal Bayer CropScience "Occupational Exposure Standard"

Personal protective equipment: In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

In all other cases the following recommendations would apply:

Respiratory protection: Respiratory protection is not required under anticipated circumstances of exposure.
Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance.

Hand protection: Wear CE Marked (or equivalent) nitrile rubber gloves (minimum thickness of 0,4 mm). Wash when contaminated and dispose of when contaminated inside, when perforated or when contamination on the outside cannot be removed. Wash hands frequently and always before eating, drinking, smoking or using the toilet.

Eye protection: Wear goggles (conforming to EN166, Field of Use = 5 or equivalent).

Skin and body protection: Wear standard coveralls and Category 3 Type 4 suit.
If there is a risk of significant exposure, consider a higher protective type suit.
Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently.

9) PHYSICAL AND CHEMICAL PROPERTIES

Form: Paste
Colour: Blue
Odour: Weak characteristic smell

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Flammability: Product not highly flammable
Melting point: > 200 °C
Ignition temperature: 391 °C
Combustion number: CN3 Local combustion without spreading at 20 °C
Density: 1,18 g/cm³ at 20 °C
Partition coefficient: n- octanol/water
Coumatetralyl: log Pow: 1,5
Cholecalciferol: log Pow: 10,24
Oxidizing properties: No oxidizing properties
Explosivity: Not explosive 92/69/EEC, A.14 / OECD 113

10) STABILITY AND REACTIVITY

Conditions to avoid: Extremes of temperature and direct sunlight
Hazardous reactions: No hazardous reactions when stored and handled according to prescribed instructions

11) TOXICOLOGICAL INFORMATION

Acute toxicity:
LD₅₀ oral, rat: >2 000 mg/kg
LD₅₀ dermal, rat: >2 000 mg/kg
Irritation of the skin, rabbit: Non-irritant
Irritation of the mucous membranes, rabbit: Non-irritant
Sensitization of the skin, guinea pig: Non-sensitizing
OECD Guideline 406, local lymph node assay (LLNA)

12) ECOLOGICAL INFORMATION

Fish toxicity: (active ingredient)
LC₅₀: Approx. 53 mg/l (96h) Rainbow Trout (*Oncorhynchus mykiss*)
Daphnia: (active ingredient)
EC₅₀: > 14 mg/l (48 h)(Water flea (*Daphnia magna*))
Algae: (active ingredient)
EC₅₀ Growth rate: > 18 mg/l (96 h) (*Desmodesmus subspicatus*)

13) DISPOSAL CONSIDERATIONS

Disposal method product: In accordance with current regulations and, if necessary, after consultation with the site operator and/or with the responsible authority, the product may be taken to a waste disposal site or incineration plant.
Disposal method packaging: Not completely emptied packagings should be disposed of as hazardous waste.

14) TRANSPORT INFORMATION

UN Number: 3027
Class:
IMDG:
Ems: F-A,S-F
MFAg: -
Subsidiary risk: -
Packing group: III
Declaration for land shipment: 3027 COUMARIN DERIVATIVE PESTICIDE , SOLID , TOXIC

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Declaration for sea shipment: 3027 COUMARIN DERIVATIVE PESTICIDE , SOLID , TOXIC

Declaration for shipment by air: 3027 COUMARIN DERIVATIVE PESTICIDE , SOLID , TOXIC

15) REGULATORY INFORMATION

Classification and labelling in accordance with the EC Directive on dangerous preparations 1999/45/EC as amended.

Hazardous components which must be listed on the label: Coumatetralyl

Symbol(s):

Xn: Harmful

R-phrase(s):

R22: Harmful if swallowed.

WHO Classification: III (Slightly hazardous)

16) OTHER INFORMATION

Text of R phrases mentioned in Section 3:

R27/28: Very toxic in contact with skin and if swallowed.

R48/24/25: Toxic; danger of serious damage to health by prolonged exposure in contact with skin and if swallowed.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R26: Very toxic by inhalation.

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.

Consult the label for directions for use.

THIS INFORMATION CONCERNS ONLY THE PRODUCT AS CONFORMING TO ITS SPECIFICATIONS AND LIMITED TO THE USES HEREIN STATED.

This sheet complements the technical sheet of use but does not replace it. The information contained on this sheet is based on knowledge of the product on the date of publication. It is given in good faith.

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