

Safety Data Sheet

809326/04

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<p>1. Identification of the substance/preparation and the company</p> <p>Racumin-Streupulver 0,75 04494830</p> <p>Bayer AG, PF-P+T Umweltschutz und Sicherheit D-41538 Dormagen, Telephone: (02133) 515012 In case of emergency: (0214) 303030 (Werkfeuerwehr Bayer Leverkusen)</p>
<p>2. Composition/information on ingredients</p> <p>preparation contains coumatetralyl weight %: 0,75 CAS No.: 5836-29-3 hazard symbol: T+ Index No.: 607-059-00-7 R-phrases: 27/28-48/24/25-52/53</p>
<p>3. Hazards identification</p> <p>No particular hazards known.</p>
<p>*4. First-aid measures</p> <p>GENERAL INFORMATION: Remove patients from the danger zone. If there is a risk of unconsciousness, position and transport in stable lateral position. Remove soiled or soaked clothing immediately.</p> <p>FOLLOWING SKIN CONTACT: Wash skin immediately with copious amounts of water and soap.</p> <p>FOLLOWING EYE CONTACT: Rinse eyes thoroughly with water. Consult an eye specialist.</p> <p>UPON SWALLOWING: Call emergency doctor immediately.</p> <p>INFORMATION FOR THE PHYSICIAN: See Chapter 11 for information on toxicology. The active ingredient listed in Chapter 2 belongs to the following chemical group: coumarin derivative. Symptoms of poisoning: Haemorrhagic diathesis, haematuria, extended prothrombin time, abdominal pain, anaemia, shock. Therapeutic measures: Basic aid, decontamination, administration of antidote, in serious cases blood transfusion. Antidote: vitamin K1 For further recommendations see "Wirkstoffe in Pflanzenschutz- und Schädlingsbekämpfungsmitteln, Physikalisch-chemische und toxikologische Daten" (Active Ingredients in Crop Protection Products and Pesticides, Physico-Chemical and Toxicological Data). Published by Industrieverband Agrar e.V., D-60329 Frankfurt am Main, Germany 2000.</p>
<p>5. Fire-fighting measures</p> <p>Extinguishing media: sprayed water jet, foam, extinguishing powder, CO₂, sand</p> <p>Fight fire in early stages if safe to do so. Wear respiratory protection. Well ventilated areas: full face mask with combination filter, e.g. ABEK-P2 (offers no protection from carbon monoxide!) Enclosed premises: respirator with independent air supply. Contain firefighting water.</p>

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6. Accidental release measures

Use the personal protective equipment listed in Chapter 8. Do not empty into drains or waters. Take up spilled product with dust-binding material or suitable vacuum cleaner. Avoid formation of dust. Fill materials taken up into closable container. To clean the floor and all objects contaminated by this material, use damp cloth. Also place used cleaning materials into closable receptacles.

7. Handling and storage

INFORMATION ON SAFE HANDLING:

Suitable container materials: LDPE (low density polyethylene).
 When using open containers, use local exhaust ventilation to prevent dusts from spreading. Make provision for product and fire-fighting water to be retained.

INFORMATION ON FIRE AND EXPLOSION PREVENTION:

Take precautions to prevent formation of explosive mixtures:
 Keep away from sources of ignition - No smoking.
 Follow the explosion protection guidelines of the "Berufsgenossenschaft der Chemischen Industrie" (Employers' Liability Insurance Association for the German Chemical Industry).
 Keep container tightly closed.
 Prevent formation of dust deposits and whirling-up of dust.

INFORMATION ON STORAGE:

See Chapter 15 for storage regulations.
 Observe the rules contained in the VCI concept for separate/common storage. To preserve quality, store in a dry place. Susceptible to odour. Keep separate from substances giving off smells. Keep away from food, drink and animal feeding stuffs.

8. Exposure controls/Personal protection

For technical protective measures to limit exposure see also Chapter 7 "Handling and storage".

Workplace-related thresholds are listed in Chapter 15 "Regulations".

If product is handled while not enclosed, and if skin contact may occur:

Respiratory protection: Fine dust mask (Class P1)

Respiratory protection instructions ZH1/701 issued by the German Confederation of Commercial Employers' Accident Liability Insurance Associations must be observed.

Hand protection: protective gloves for chemicals

Eye protection: goggles

Occupational health:

Keep the place of work clean. Avoid contact with product. Change badly soiled or soaked clothing. Wash hands before breaks and at end of work.

*9. Physical and chemical properties

tested in accordance with

Form:	solid, powder
Colour:	blue
Odour:	slight characteristic smell
Bulk volume fluffed:	approx. 200 ml/100 g
Bulk volume jolted:	approx. 130 ml/100 g

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***9. Physical and chemical properties** (Continuation) tested in accordance with
 Solubility in water: not dispersible
 Solid products combustibility: BZ 2 = brief ignition and rapid extinction
 (VDI 2263).
 Impact sensitivity: not impact sensitive
 Risk of dust explosion: may cause dust explosion (modified Hartmann
 tube, ignition with continuous spark genera-
 tor)

10. Stability and reactivity**11. Toxicological information**

Acute toxicity:

LD₅₀ oral, rat: approx. 5000 mg/kg (Bayer)LD₅₀ dermal, rat: > 5000 mg/kg (Bayer)

Irritation of the skin/rabbit: non-irritant (Bayer)

Irritant to the mucous membranes/rabbit: non-irritant (Bayer)

***12. Ecological information**

Fish toxicity: (active ingredient)

LC₅₀: 48 mg/l (96 h); trout (*oncorhynchus mykiss*) (Bayer)

Toxicity for Daphnia: (active ingredient)

EC₅₀: > 14 mg/l (48 h); Water flea (*Daphnia magna*) (Bayer)

Toxicity for algae: (active ingredient)

Growth rate:

IC₅₀: > 18 mg/l (96 h); Green algae (*Scenedesmus subspicatus*) (Bayer)

Water pollution class (WGK): 2 - impairment of water quality

WGK = Classification in accordance with the German Water Resources Act (in
 accordance with Annex 4 to the Directive on Water-Hazardous Substances)***13. Disposal considerations**

In cases where larger amounts of the product have become unusable, it
 should be established whether material utilisation is possible (if
 necessary, consult the manufacturer/suppliers). Small amounts of the
 product and uncleaned empty packaging should be packaged and sealed,
 labelled and transferred to a suitable incinerator in accordance with the
 local regulations.

European Waste Catalogue (EWC) code: 200119

14. Transport information

GGVSee/IMDG Code: -- UN No.: -- MFAG: -- EmS: --

PG: -- MPO: --

GGVE/GGVS: Class -- No. -- RID/ADR: Class -- No. --

ADNR: Class -- No. -- Cat -- ICAO/IATA-DGR: not restr.

Declaration for land shipment: --

Declaration for sea shipment: --

Declaration for shipment by air: --

Other information:

Not dangerous cargo. Keep dry. Keep separated from foodstuffs.

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***15. Regulatory information**

No labelling is required in accordance with the EEC directives.

MAK value: German Research Association (DFG), Bulletin no. 36 (2000):
General dust tolerance limit
(Portion A, penetrating the alveoli; formerly fine dust): 1.5 mg/m³ A
General dust tolerance limit
(Portion E, respirable; formerly total dust): 4 mg/m³ E

VCI storage class: 11

16. Other information

Tracking powder
Application: rodenticide

This safety data sheet applies to the handling of the product during manufacture, transport and storage. The enclosed instructions for use should be consulted prior to use.

Address in case of poisoning, fire or damage: Bayer AG; Feuerwehr
D-41538 Dormagen; Tel. 02133/514233

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.