

Safety Data Sheet

345729/02

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*1. Identification of the substance/preparation and the company

RACUMIN Contact Powder 1 Kg

Bayer Environmental Science
Durkan House, 214-224 High Street, Waltham Cross, Hertfordshire. EN8 7DP
Tel.: 01992 784270 Fax: 01992 784276

*2. Composition/information on ingredients

preparation contains
coumatetralyl

wt.-%: 0,75

CAS No.: 5836-29-3

Hazard Symbol: T+

Index No.: 607-059-00-7 R-Phrases: 27/28-48/24/25

3. Hazards identification

Harmful in contact with skin and if swallowed.

*4. First-aid measures

GENERAL INFORMATION:

Remove patients from the danger zone. Remove soiled or soaked clothing immediately.

UPON INHALATION:

Call a doctor immediately.

FOLLOWING SKIN CONTACT:

Wash skin immediately with copious amounts of water and soap. Then seek medical advice.

FOLLOWING EYE CONTACT:

Rinse eyes thoroughly with water. Consult an eye specialist.

UPON SWALLOWING:

Call emergency doctor immediately.

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

*5. Fire-fighting measures

Extinguishing media: sprayed water jet, foam, extinguishing powder, CO₂, sand

Fight fire in early stages if safe to do so.

Wear respiratory protection.

Well ventilated areas: Full face mask with a suitable filter combination, of a type approved by the Health and Safety Executive.

Enclosed premises: respirator with independent air supply.

Contain firefighting water.

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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.
An approved code of practice and guidance notes on the carriage of explosives by road are available from HMSO and this guidance should be followed
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. Store so that unauthorised persons do not have access. 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)

Further details of selection and use of respiratory protective equipment is available in the form of a Health and Safety Executive publication:

'Respiratory protective equipment - a practical guide for users'. (ZH1/134)

Hand protection: protective gloves for chemicals

Eye protection: Goggles

Occupational health:

Keep the place of work clean. Avoid contact with product. Keep working clothes separate. 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

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***9. Physical and chemical properties** (Continuation) tested in accordance with

Bulk volume fluffed: ca. 200 ml/100 g
Bulk volume jolted: ca. 130 ml/100 g
Solubility in water: not dispersible
Partition coefficient: log P octanol/water =
coumatetralyl: 3,46

Solid products combustibility: BZ 2 = brief ignition and rapid extinction
(VDI 2263).

Impact sensitivity: not impact sensitive
Risk of dust explosion: capable of causing a dust explosion (modified Hartmann tube, ignition with continuous spark generator)

10. Stability and reactivity

*11. Toxicological information

Acute toxicity:

LD₅₀ oral, rat: ca. 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) *

* derived from active ingredient data

The formulation described in this data sheet was classified by the conventional method.

*12. Ecological information

Fish toxicity: (active ingredient)

LC₅₀: ca. 1000 ppm (96 h); guppy (*Lebistes reticulatus*) (Bayer)

*13. Disposal considerations

Package product wastes. Close and label the waste receptacles and, likewise, any uncleaned empty containers. Dispose of them at a suitable waste incineration plant in accordance with the official regulations. Where large quantities are concerned, consult the supplier.

Waste code number:

53103 Old stock and remainders of crop protection and pest control products

53104 Production waste from crop protection and pest control products

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

Product label conforms to current labelling Regulations.
MAFF 01681.

Symbol: Xn, hazard description: harmful

Contains: 0.75 % coumatetralyl

R 21/22: Harmful in contact with skin and if swallowed.

S 22: Do not breathe dust.

S 36/37: Wear suitable protective clothing and gloves.

This labelling is not required for products in packages intended for end users.

UK Maximum Exposure Limits or Occupational Exposure Standards, EH40 (HSE):

LIMIT			8-hr TWA		15-min STEL	
TYPE	substance	CAS No.	ppm	mg/m ³	ppm	mg/m ³
OES ^o	Dusts, not otherwise spec.	-				
	-total inhalable dust		-	10	-	-
	-respirable dust		-	4	-	-

^o(COSHH Approved Code of Practice)

Major incidents regulations of September 20, 1991:

The preparation contains the following substances specifically referred to in Appendix II:

0.75 wt.-% coumatetralyl (Appendix II No. 87)

The preparation is also a "pesticide/agrochemical or active ingredient thereof" in accordance with Appendix III, Part 1 No.21.

All the constituents are classified as existing chemicals in the EC Guidelines.

*16. Other information

Contact powder

Application: rodenticide

Address in case of poisoning, fire or damage:

Bayer Environmental Science
Durkan House, 214-224 High Street,
Waltham Cross, Hertfordshire EN8 7DP
Tel: 01992 784270 Fax: 01992 784276

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.