



## RACUMIN WAX BLOCK

Version 4 / MAL  
102000019943

1/9  
Revision Date: 07.01.2022  
Print Date: 17.01.2022

### SECTION 1: IDENTIFICATION OF THE HAZARDOUS CHEMICAL AND OF THE SUPPLIER

#### 1.1 Product identifier

Trade name RACUMIN WAX BLOCK  
Product code (UVP) 79397577

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use Rodenticide

#### 1.3 Details of the supplier of the safety data sheet

Supplier Bayer AG Local distributor  
Kaiser-Wilhelm-Allee 1 Bayer Co. (Malaysia) Sdn Bhd  
51373 Leverkusen B-19-1 & B-19-2,  
Germany The Ascent Paradigm,  
No. 1, Jalan SS 7/26A, Kelana  
Jaya,  
47301 Petaling Jaya, Selangor.  
Malaysia

Telephone 03 7801 3088 (office hours)

Telefax 03 7886 3338

#### 1.4 Emergency telephone no.

In case of POISONING, Malaysian Emergency Response Services (999)  
please contact



Global Incident Response Hotline (24h) +1 (760) 476-3964 (Company 3E for Bayer AG, Crop Science Division)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Classification according to the Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013

Acute toxicity: Category 4  
H302 Harmful if swallowed.

#### 2.2 Label elements



## RACUMIN WAX BLOCK

Version 4 / MAL  
102000019943

2/9  
Revision Date: 07.01.2022  
Print Date: 17.01.2022

### Labelling according to the Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013

Hazard label for supply/use required.

#### Hazardous components which must be listed on the label:

- Coumatetralyl



**Signal word:** Warning

#### Hazard statements

H302 Harmful if swallowed.

#### Precautionary statements

P301 + P312 IF SWALLOWED: Call a POISON CENTER/doctor/physician if you feel unwell.  
P501 Dispose of contents/container in accordance with local regulation.

#### 2.3 Other hazards

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

Coumatetralyl: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).

## SECTION 3: COMPOSITION AND INFORMATION OF THE INGREDIENTS OF THE HAZARDOUS CHEMICAL

### 3.2 Mixtures

#### Chemical nature

Bait (ready for use) (RB)  
Coumatetralyl 0,0375 %

#### Hazardous components

Name	CAS-No.	Conc. [%]
Coumatetralyl	5836-29-3	0.0375

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

#### General advice

Move out of dangerous area. When symptoms develop and persist, seek medical advice. Place and transport victim in stable position (lying sideways).

#### Inhalation

Move to fresh air. Keep patient warm and at rest. Call a physician or poison control center immediately.



## RACUMIN WAX BLOCK

Version 4 / MAL  
102000019943

3/9  
Revision Date: 07.01.2022  
Print Date: 17.01.2022

<b>Skin contact</b>	Wash off thoroughly with plenty of soap and water, if available with polyethyleneglycol 400, subsequently rinse with water. Call a physician or poison control center immediately.
<b>Eye contact</b>	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.
<b>Ingestion</b>	Do NOT induce vomiting. Call a physician or poison control center immediately. Rinse mouth.

### 4.2 Most important symptoms and effects, both acute and delayed

<b>Symptoms</b>	If large amounts are ingested, the following symptoms may occur: Internal and external bleeding, shock possible  Symptoms and hazards refer to effects observed after intake of significant amounts of the active ingredient(s).
-----------------	---

### 4.3 Indication of any immediate medical attention and special treatment needed

<b>Risks</b>	Because of antivitamin K properties of the active ingredient, absorption can inhibit blood coagulation and cause haemorrhagic syndrome.
<b>Treatment</b>	Treat symptomatically. Antidote: Vitamine K1. Cases of severe poisoning may require the usual measures like application of blood products or transfusions. Necessity and efficacy have to be assessed by INR. 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. Monitor: blood picture.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

<b>Suitable</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>Unsuitable</b>	High volume water jet

### 5.2 Special hazards arising from the substance or mixture

Dangerous gases are evolved in the event of a fire.

### 5.3 Advice for firefighters

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

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



## RACUMIN WAX BLOCK

Version 4 / MAL  
102000019943

4/9  
Revision Date: 07.01.2022  
Print Date: 17.01.2022

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

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

**6.2 Environmental precautions** Do not allow to get into surface water, drains and ground water.

#### 6.3 Methods and materials for containment and cleaning up

**Methods for cleaning up** Use mechanical handling equipment. Clean contaminated floors and objects thoroughly, observing environmental regulations. Keep in suitable, closed containers for disposal.

**6.4 Reference to other sections** 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

#### 7.1 Precautions for safe handling

**Advice on safe handling** No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice. Ensure adequate ventilation.

**Advice on protection against fire and explosion** Keep away from heat and sources of ignition.

**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).

#### 7.2 Conditions for safe storage, including any incompatibilities

**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. Keep away from direct sunlight.

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

**7.3 Specific end use(s)** Refer to the label and/or leaflet.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

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

\*OES BCS: Internal Bayer AG, Crop Science Division "Occupational Exposure Standard"



## RACUMIN WAX BLOCK

Version 4 / MAL  
102000019943

5/9  
Revision Date: 07.01.2022  
Print Date: 17.01.2022

### 8.2 Exposure controls

#### 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.

#### 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

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Wash gloves when contaminated. 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.

Material	Nitrile rubber
Rate of permeability	> 480 min
Glove thickness	> 0.4 mm
Protective index	Class 6
Directive	Protective gloves complying with EN 374.

#### Eye protection

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

#### Skin and body protection

Wear standard coveralls and Category 3 Type 5 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.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Form	pieces or block, wax
Colour	blue-grey
Odour	weak, characteristic
Odour Threshold	No data available
pH	No data available
Melting point/range	No data available
Boiling Point	No data available
Flash point	No data available
Flammability	The product is not highly flammable.



## RACUMIN WAX BLOCK

Version 4 / MAL  
102000019943

6/9  
Revision Date: 07.01.2022  
Print Date: 17.01.2022

<b>Auto-ignition temperature</b>	425 °C
<b>Thermal decomposition</b>	from, 110 °C
<b>Ignition temperature</b>	ca. 207 °C
<b>Minimum ignition energy</b>	No data available
<b>Self-accelerating decomposition temperature (SADT)</b>	No data available
<b>Upper explosion limit</b>	No data available
<b>Lower explosion limit</b>	No data available
<b>Vapour pressure</b>	ca. 10 mbar (20 °C)
<b>Evaporation rate</b>	No data available
<b>Relative vapour density</b>	No data available
<b>Relative density</b>	No data available
<b>Density</b>	No data available
<b>Water solubility</b>	insoluble
<b>Partition coefficient: n-octanol/water</b>	Coumatetralyl: log Pow: 1.5 (20 °C) (pH 7)
<b>Viscosity, dynamic</b>	No data available
<b>Viscosity, kinematic</b>	No data available
<b>Impact sensitivity</b>	Not impact sensitive.
<b>Burning number</b>	CN3 Local combustion without spreading (20 °C)
<b>Oxidizing properties</b>	No oxidizing properties
<b>Explosivity</b>	Not explosive
<b>9.2 Other information</b>	Further safety related physical-chemical data are not known.

### SECTION 10: STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>	Stable under normal conditions.
<b>10.2 Chemical stability</b>	Stable under recommended storage conditions.
<b>10.3 Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.



## RACUMIN WAX BLOCK

Version 4 / MAL  
102000019943

7/9  
Revision Date: 07.01.2022  
Print Date: 17.01.2022

- 10.4 Conditions to avoid** Extremes of temperature and direct sunlight.  
Heat, flames and sparks.
- 10.5 Incompatible materials** Store only in the original container.
- 10.6 Hazardous decomposition products** No decomposition products expected under normal conditions of use.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

**Acute oral toxicity** LD50 (Rat) 1,000 mg/kg

**Acute inhalation toxicity**

During intended and foreseen applications, no respirable aerosol is formed.

**Acute dermal toxicity** LD50 (Rat) > 4,000 mg/kg

**Skin corrosion/irritation** No skin irritation (Rabbit)

**Serious eye damage/eye irritation** No eye irritation (Rabbit)

**Respiratory or skin sensitisation** Non-sensitizing. (Mouse)  
OECD Test Guideline 429, local lymph node assay (LLNA)

#### Assessment STOT Specific target organ toxicity – single exposure

Coumatetralyl: Based on available data, the classification criteria are not met.

#### Assessment STOT Specific target organ toxicity – repeated exposure

Coumatetralyl caused inhibition of blood coagulation possibly causing hemorrhagic syndrome in animal studies. The toxic effects of Coumatetralyl are related to antivitamin K properties.

#### 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: May damage the unborn child.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

#### Further information

The toxicological data refer to a similar formulation.



## RACUMIN WAX BLOCK

Version 4 / MAL  
102000019943

8/9  
Revision Date: 07.01.2022  
Print Date: 17.01.2022

### SECTION 12: ECOLOGICAL INFORMATION

#### 12.1 Toxicity

##### Toxicity to fish

LC50 (Oncorhynchus mykiss (rainbow trout)) 53 mg/l  
Exposure time: 96 h  
The value mentioned relates to the active ingredient.

##### Chronic toxicity to fish

Oncorhynchus mykiss (rainbow trout)  
NOEC: 5 µg/l  
Exposure time: 21 d  
The value mentioned relates to the active ingredient.

##### Toxicity to aquatic invertebrates

EC50 (Daphnia magna (Water flea)) > 14 mg/l  
Exposure time: 48 h  
The value mentioned relates to the active ingredient.

##### Chronic toxicity to aquatic invertebrates

NOEC (Daphnia magna (Water flea)): 0.1 mg/l  
Exposure time: 21 d  
The value mentioned relates to the active ingredient.

##### Toxicity to aquatic plants

IC50 (Desmodesmus subspicatus (green algae)) > 18 mg/l  
Growth rate; Exposure time: 96 h  
The value mentioned relates to the active ingredient.

#### 12.2 Persistence and degradability

##### Biodegradability

Coumatetralyl: < 60 %,  
Not readily biodegradable.

##### Koc

Coumatetralyl: Koc: 258

#### 12.3 Bioaccumulative potential

##### Bioaccumulation

Coumatetralyl: Bioconcentration factor (BCF) 11.4  
Does not bioaccumulate.

#### 12.4 Mobility in soil

##### Mobility in soil

Coumatetralyl: Moderately mobile in soils

#### 12.5 Results of PBT and vPvB assessment

##### PBT and vPvB assessment

Coumatetralyl: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).

#### 12.6 Other adverse effects

##### Additional ecological information

No further ecological information is available.

### SECTION 13: DISPOSAL INFORMATION

#### 13.1 Waste treatment methods





## RACUMIN WAX BLOCK

Version 4 / MAL  
102000019943

9/9  
Revision Date: 07.01.2022  
Print Date: 17.01.2022

<b>Product</b>	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.
<b>Contaminated packaging</b>	Not completely emptied packagings should be disposed of as hazardous waste.

### SECTION 14: TRANSPORT INFORMATION

**According to ADN/ADR/RID/IMDG/IATA not classified as dangerous goods.**

This classification is in principle not valid for carriage by tank vessel on inland waterways. Please refer to the manufacturer for further information.

**14.1 – 14.5** Not applicable.

**14.6 Special precautions for user**

See sections 6 to 8 of this Safety Data Sheet.

**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code**

No transport in bulk according to the IBC Code.

### SECTION 15: REGULATORY INFORMATION

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Further information**

||WHO-classification: II (Moderately hazardous)

### SECTION 16: OTHER INFORMATION

The information contained within this Safety Data Sheet is in accordance to The Industry Code of Practice on Chemical Classification and Hazard Communication 2013 (ICOP) which is promulgated under Section 37 of Occupational Safety and Health Act 1994 (OSHA 1994) and serves as a guidance to chemical suppliers to comply with the provisions of Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013 [P.U. (A) 310/2013] which have been gazetted on 11 October 2013, hereinafter is referred to as "the Regulations". This data sheet complements the user's instructions, but does not replace them. The information contained therein is based on the knowledge available about the product concerned at the time it was compiled. Users are further reminded of the possible risks of using a product for purposes other than those for which it was intended. The required information complies with the current Malaysia legislation, including the Pesticides Act 1974. Addressees are requested to observe any additional national requirements.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.
--