

**RODILON WAX BLOCK**Version 3 / ZA  
102000002894

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Revision Date: 11.04.2021  
Print Date: 18.03.2022**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 Product identifier**

**Trade name** RODILON WAX BLOCK  
**Product code (UVP)** 05943604

**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 (Pty) Ltd.  
27 Wrench Road, P.O. Box 143  
1600 Isando  
South Africa

**Telephone** +27 (011) 921 5911  
**Telefax** +27 (011) 921 5766  
**Responsible Department** QHSE - Nigel, South Africa  
+27 (011) 365 8675 (during business hours only)

**1.4 Emergency telephone no.**

**Emergency telephone no.** +27 (0861) 555 777 (Western Cape Poisons Helpline)  
**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 in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.**

Specific target organ toxicity - repeated exposure: Category 2

H373 May cause damage to organs (Blood) through prolonged or repeated exposure.

Chronic aquatic toxicity: Category 3

H412 Harmful to aquatic life with long lasting effects.

**2.2 Label elements**

**Labelling in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.**

Hazard label for supply/use required.



**Signal word:** Warning

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H373 May cause damage to organs (Blood) through prolonged or repeated exposure.  
H412 Harmful to aquatic life with long lasting effects.  
EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

**Precautionary statements**

P102 Keep out of reach of children.  
P260 Do not breathe dust.  
P270 Do not eat, drink or smoke when using this product.  
P273 Avoid release to the environment.  
P280 Wear protective gloves.  
P314 Get medical advice/ attention 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.

Difethialone: This substance is considered to be persistent, bioaccumulative and toxic (PBT). This substance is considered to be very persistent and very bioaccumulative (vPvB).

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2 Mixtures****Chemical nature**

Block bait (BB)  
Difethialone 0.0025%

**Hazardous components**

Hazard statements according to Regulation (EC) No. 1272/2008

<b>Name</b>	<b>CAS-No. / EC-No. / REACH Reg. No.</b>	<b>Classification</b>	<b>Conc. [%]</b>
		<b>REGULATION (EC) No 1272/2008</b>	
difethialone	104653-34-1	Acute Tox. 1, H300 Acute Tox. 1, H310 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Acute Tox. 1, H330 STOT RE 1, H372 Repr. 1B, H360D	0,0025

**Further information**

difethialone	104653-34-1	M-Factor: 100 (acute), 100 (chronic)
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For the full text of the H-Statements mentioned in this Section, see Section 16.

**SECTION 4: FIRST AID MEASURES****4.1 Description of first aid measures**

**General advice** Move out of dangerous area. Place and transport victim in stable position (lying sideways). Remove contaminated clothing immediately and dispose of safely. Keep under medical supervision for at least 48 hours.

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<b>Inhalation</b>	Move to fresh air. Keep patient warm and at rest. If symptoms persist, call a physician.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.
<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. If eye irritation or redness persists, see an ophthalmologist.
<b>Ingestion</b>	Do NOT induce vomiting. Rinse mouth. Ingest activated charcoal. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

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

<b>Symptoms</b>	If large amounts are ingested, the following symptoms may occur:  Bloody urine, Bloody faeces, Gum bleeding, Nose bleeding, Bruising and haemorrhage formation
	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>	Symptoms of poisoning may appear several hours later. Keep under medical supervision for at least 48 hours. Local treatment: Initial treatment: symptomatic. Systemic treatment: Monitor: blood picture. Monitor: prothrombin time/ INR. Antidote: Vitamine K1. Cases of severe poisoning may require the usual measures like application of blood products or transfusions. Recovery is spontaneous and without sequelae. 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.

**SECTION 5: FIREFIGHTING MEASURES****5.1 Extinguishing media**

<b>Suitable</b>	Water spray, Carbon dioxide (CO2), Dry chemical, Alcohol-resistant foam
<b>Unsuitable</b>	High volume water jet

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

In the event of fire the following may be released: Carbon monoxide (CO), Carbon dioxide (CO2), Sulphur oxides, Bromine

**5.3 Advice for firefighters****Special protective equipment for firefighters**  
In the event of fire and/or explosion do not breathe fumes. Wear self-contained breathing apparatus and protective suit.**Further information**  
Contain the spread of the fire-fighting media. Do not allow run-off from fire fighting to enter drains or water courses.**RESTRICTED**

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**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. Avoid contact with skin, eyes and clothing.

**Hygiene measures** Keep away from food, drink and animal feedingstuffs. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics. Wash hands immediately after work, if necessary take a shower. Avoid contact with skin, eyes and clothing.

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

**Requirements for storage areas and containers** Store in original container. Keep away from direct sunlight. Keep out of reach of children and animals.

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

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters**

No known occupational limit values.

**8.2 Exposure controls**

**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.

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Wash gloves when contaminated. Dispose of when contaminated inside, when perforated or when contamination outside cannot be removed.

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.

Material	Nitrile rubber
Break through time	> 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 4 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. If there is a risk of significant exposure, consider a higher protective type suit.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

<b>Form</b>	wax, pieces or block
<b>Colour</b>	blue
<b>Odour</b>	weak, characteristic
<b>Odour Threshold</b>	No data available
<b>pH</b>	No data available
<b>Melting point/range</b>	No data available
<b>Boiling Point</b>	No data available
<b>Flash point</b>	No data available
<b>Flammability</b>	No data available
<b>Auto-ignition temperature</b>	No data available
<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>	No data available
<b>Evaporation rate</b>	No data available
<b>Relative vapour density</b>	No data available
<b>Relative density</b>	No data available

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<b>Density</b>	No data available
<b>Water solubility</b>	insoluble
<b>Partition coefficient: n-octanol/water</b>	Difethialone: log Pow: 6,3
<b>Viscosity, dynamic</b>	No data available
<b>Viscosity, kinematic</b>	No data available
<b>Oxidizing properties</b>	No data available
<b>Explosivity</b>	No data available
<b>9.2 Other information</b>	Further safety related physical-chemical data are not known.

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**SECTION 10: STABILITY AND REACTIVITY**

<b>10.1 Reactivity</b>	Stable at ambient temperature.
<b>Thermal decomposition</b>	Stable at ambient temperature.
<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.
<b>10.4 Conditions to avoid</b>	Extremes of temperature and direct sunlight.
<b>10.5 Incompatible materials</b>	Store only in the original container.
<b>10.6 Hazardous decomposition products</b>	No decomposition products expected under normal conditions of use.

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**SECTION 11: TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects**

<b>Acute oral toxicity</b>	LD50 (Rat) > 2.500 mg/kg
<b>Acute inhalation toxicity</b>	Not relevant because of low dust formation.
<b>Acute dermal toxicity</b>	LD50 (Rat) > 2.000 mg/kg
<b>Skin corrosion/irritation</b>	No skin irritation
<b>Serious eye damage/eye irritation</b>	No eye irritation
<b>Respiratory or skin sensitisation</b>	Non-sensitizing.

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

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

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

Difethialone caused inhibition of blood coagulation possibly causing hemorrhagic syndrome in animal

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studies. The toxic effects of Difethialone are related to antivitamin K properties.

**Assessment mutagenicity**

Difethialone was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.

**Assessment carcinogenicity**

Difethialone is not considered carcinogenic.

**Assessment developmental toxicity**

Difethialone did not cause developmental toxicity in rats and rabbits.

**Aspiration hazard**

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

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**SECTION 12: ECOLOGICAL INFORMATION****12.1 Toxicity**

<b>Toxicity to fish</b>	LC50 (Oncorhynchus mykiss (rainbow trout)) 51,0 µg/l Exposure time: 96 h The value mentioned relates to the active ingredient difethialone.
<b>Chronic toxicity to fish</b>	Oncorhynchus mykiss (rainbow trout) NOEC: 22,0 µg/l The value mentioned relates to the active ingredient difethialone.
<b>Toxicity to aquatic invertebrates</b>	EC50 (Daphnia magna (Water flea)) 4,4 µg/l Exposure time: 48 h The value mentioned relates to the active ingredient difethialone.
<b>Chronic toxicity to aquatic invertebrates</b>	NOEC (Daphnia magna (Water flea)): 3,0 µg/l The value mentioned relates to the active ingredient difethialone.
<b>Toxicity to aquatic plants</b>	EBC50 (Raphidocelis subcapitata (freshwater green alga)) 65,0 µg/l Exposure time: 72 h The value mentioned relates to the active ingredient difethialone. NOEC (Raphidocelis subcapitata (freshwater green alga)) 32,0 µg/l

**12.2 Persistence and degradability**

<b>Biodegradability</b>	Difethialone: Not rapidly biodegradable
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**12.3 Bioaccumulative potential**

<b>Bioaccumulation</b>	Difethialone: Bioconcentration factor (BCF) 39.974 Bioaccumulative
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**12.4 Mobility in soil**

<b>Mobility in soil</b>	Difethialone: Immobile in soil
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**12.5 Results of PBT and vPvB assessment**

<b>PBT and vPvB assessment</b>	Difethialone: This substance is considered to be persistent, bioaccumulative and toxic (PBT). This substance is considered to be very persistent and very bioaccumulative (vPvB).
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**12.6 Other adverse effects**

<b>Additional ecological</b>	No other effects to be mentioned.
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<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>	Do not re-use empty containers. Not completely emptied packagings should be disposed of as hazardous waste.

**SECTION 14: TRANSPORT INFORMATION****According to SANS 10231/IMDG/IATA not classified as dangerous goods.****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: III (Slightly hazardous)

**SECTION 16: OTHER INFORMATION****Text of the hazard statements mentioned in Section 3**

H300	Fatal if swallowed.
H310	Fatal in contact with skin.
H330	Fatal if inhaled.
H360D	May damage the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

**Abbreviations and acronyms**

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute toxicity estimate
CAS-Nr.	Chemical Abstracts Service number
Conc.	Concentration
EC-No.	European community number
ECx	Effective concentration to x %

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EINECS	European inventory of existing commercial substances
ELINCS	European list of notified chemical substances
EN	European Standard
EU	European Union
IATA	International Air Transport Association
IBC	International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code)
ICx	Inhibition concentration to x %
IMDG	International Maritime Dangerous Goods
LCx	Lethal concentration to x %
LDx	Lethal dose to x %
LOEC/LOEL	Lowest observed effect concentration/level
MARPOL	MARPOL: International Convention for the prevention of marine pollution from ships
N.O.S.	Not otherwise specified
NOEC/NOEL	No observed effect concentration/level
OECD	Organization for Economic Co-operation and Development
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
TWA	Time weighted average
UN	United Nations
WHO	World health organisation

The information contained within this Safety Data Sheet is in accordance with the guidelines established by Regulation (EU) 1907/2006 and Regulation (EU) 2015/830 amending Regulation (EU) No 1907/2006 and any subsequent amendments. This data sheet complements the user's instructions, but does not replace them. The information it contains 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 current EEC legislation. Addressees are requested to observe any additional national requirements.

**Reason for Revision:** Reviewed and updated for general editorial purposes.

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

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