

Bayer Environmental Science

Safety Data Sheet

Rodilon® Professional Rodenticide



Version 2 / AUS
10200007740

Revision Date: 14.09.2012

SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: **Rodilon® Professional Rodenticide**
Other names: None
Product code (UVP): 05502888
Recommended use: Rodenticide

Chemical formulation: Bait (ready for use) (RB)

Company: Bayer CropScience Pty. Ltd.
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SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview	
NON-HAZARDOUS SUBSTANCE	NON-DANGEROUS GOODS

Hazardous classification: Non-Hazardous (National Occupational Health and Safety Commission - NOHSC).

R-phrases: None allocated.

S-phrases: See sections 4, 5, 6, 7, 8, 10, 13.

ADG Classification: Not "dangerous goods" for transport by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. - See Section 14.

SUSMP classification (Poison Schedule): Schedule 6 (Standard for the Uniform Scheduling of Medicines and Poisons).

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature: Difethialone 0.025 g/kg

Chemical Name	CAS-No.	Concentration [%]
Difethialone	104653-34-1	0.0025
Other ingredients (non-hazardous) to 100 %		



SECTION 4. FIRST AID MEASURES

If poisoning occurs, immediately contact a doctor or Poisons Information Centre (telephone 13 11 26), and follow the advice given. Show this Safety Data Sheet to the doctor.

Skin contact

Wash off immediately with soap and plenty of 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.

Ingestion

Rinse mouth. Do NOT induce vomiting. Induce vomiting only, if: 1. patient is fully conscious, 2. medical aid is not readily available, 3. a significant amount (more than a mouthful) has been ingested and 4. time since ingestion is less than 1 hour. (Vomit should not get into the respiratory tract.) Ingest activated charcoal. Call a physician or poison control center immediately.

Notes to physician

Symptoms

Bloody urine, bloody faeces, gum bleeding, nose bleeding, bruising and haemorrhage formation.

Risks

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

Treatment

Symptoms of poisoning may only appear several hours later. Keep under medical supervision for at least 48 hours.

Treatment

Local treatment: Initial treatment: Symptomatic.

Systemic treatment:

Monitor: Blood picture.

Monitor: Prothrombin time/ INR.

Antidote: Vitamin 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.

Symptoms of poisoning may only appear several hours later.

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Extinguishing media which should not be used for safety reasons

High volume water jet.



Hazards from combustion products

Dangerous gases are evolved in the event of a fire.

Precautions for fire-fighting

In the event of fire and/or explosion do not breathe fumes.

In the event of fire, wear self-contained breathing apparatus.

Contain the spread of the fire-fighting media.

Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 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

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. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

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.

SECTION 7. HANDLING AND STORAGE

Handling

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).

Storage

Requirements for storage areas and containers:

Keep out of the reach of children.

Store in original container.

Keep containers tightly closed in a dry, cool and well-ventilated place.

Keep away from direct sunlight.

Store in a cool, dry place and in such a manner as to prevent cross contamination with other crop protection products, fertilizers, food, and feed.

Advice on common storage:

Keep away from food, drink and animal feedingstuffs.



SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure standards

No exposure standard has been assigned by the National Occupational Health and Safety Commission (Worksafe Australia) for the product or its ingredients.

Personal protective equipment - End user

General advice: Prior to use; please read the product label for safe use.

Hand protection: Protective gloves.

Engineering controls

Advice on safe handling:

No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form: Pasty to solid
Colour: Greenish-blue
Odour: Weak, characteristic

Safety data

pH: No data available

Melting point/range: > 200 °C

Flash point: No data available

Flammability (solid, gas): The product is not highly flammable.

Ignition temperature: 415 °C

Autoignition temperature: From 359 °C

Upper explosion limit: No data available

Lower explosion limit: No data available

Vapour pressure: No data available

Relative vapour density: No data available

Density: ca. 1.26 g/cm³ at 20 °C

Water solubility: Not dispersible

Partition coefficient: n-octanol/water: No data available

Combustion number: CN2 Short flaring without spreading at 20 °C



SECTION 10. STABILITY AND REACTIVITY

Chemical stability:	Stable under recommended storage conditions.
Conditions to avoid:	Exposure to moisture. Elevated temperatures.
Materials to avoid:	Strong oxidizing agents.
Hazardous decomposition products:	Thermal decomposition can lead to release of: Carbon monoxide.
Hazardous reactions:	No hazardous reactions when stored and handled according to prescribed instructions.

SECTION 11. TOXICOLOGICAL INFORMATION

Potential health effects

Inhalation:	Inhalation not likely.
Skin:	No skin irritation.
Eye:	May cause mild irritation to eyes.

Animal toxicity studies

Acute oral toxicity:	LD ₅₀ (rat) > 2,500 mg/kg
Acute dermal toxicity:	LD ₅₀ (rat) > 2,000 mg/kg
Skin irritation:	No skin irritation (rabbit).
Eye irritation:	No eye irritation (rabbit).
Sensitisation:	Non-sensitizing (guinea pig). OECD Test Guideline 406, Magnusson & Kligman test

Chronic

Animal studies show no evidence of carcinogenic or teratogenic effects.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish:	LC ₅₀ (<i>Oncorhynchus mykiss</i> (Rainbow trout)) 0.051 mg/L Exposure time: 96 h The value mentioned relates to the active ingredient difethialone.
Toxicity to aquatic invertebrates:	EC ₅₀ (<i>Daphnia magna</i> (Water flea)) 0.0044 mg/L Exposure time: 48 h The value mentioned relates to the active ingredient difethialone.
Toxicity to aquatic plants:	EC ₅₀ (<i>Scenedesmus subspicatus</i>) > 1,000 mg/L Exposure time: 72 h The value mentioned relates to the active ingredient difethialone.

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SECTION 13. DISPOSAL CONSIDERATIONS

Shake empty container onto baiting site. Do not dispose of undiluted chemicals on-site. Break, crush or puncture and bury empty containers in a local authority landfill. If not available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots.

SECTION 14. TRANSPORT INFORMATION

According to national and international transport regulations not classified as dangerous goods.

SECTION 15. REGULATORY INFORMATION

Registered according to the Agricultural and Veterinary Chemicals Code Act 1994.

Australian Pesticides and Veterinary Medicines Authority approval number: 61167.

See also Section 2.

SECTION 16. OTHER INFORMATION

Trademark information

Rodilon® is registered trademark of the Bayer Group.

This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

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

Reason for revision: Changed name from Material Safety Data Sheet to Safety Data Sheet.

END OF SDS