

SAFETY DATA SHEET



Publication date: July 97 Sheet number: BES/SA 0041 Revised on: 25 June 2010 Revision number: 9

1) IDENTIFICATION OF THE SUBSTANCE / PREPARATION

Commercial name: **FINALE[®] RAT AND MOUSE WAX BLOCKS**

Usage: Rodenticide

Company identification: Bayer (Pty.) Ltd.
Reg. No. 1968/011192/07
P.O. Box 143, Isando 1600
SOUTH AFRICA

Telephone: +27 11 365 8600
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Responsible department: Marketing and Technical
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In case of poisoning emergencies:
Bayer (office hours only): +27 11 921 5310/5663/5471/5639
Tygerberg Poison Centre: +27 21 931 6129
Griffon Poison Information Centre: +27 82 446 8946

2) HAZARD IDENTIFICATION OF THE PRODUCT

Risk advice to man and the environment: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3) COMPOSITION / INFORMATION ON THE INGREDIENTS

Chemical nature: Block bait (BB)
Difethialone 0.0025 %

Hazardous components:

| Chemical Name | CAS-No. / EINECS-No. | Symbol(s) | R-phrases | Concentration [%] |
|---------------|----------------------|-----------|------------------------------------|-------------------|
| Difethialone | 104653-34-1 | T+, N | R26/27/28, R48/23/24/25, R50/53 | 0,0025 |

For full text of the R phrases mentioned in this Section, see Section 16.

4) FIRST AID MEASURES

General advice: Symptoms of poisoning may only appear several hours later.

Eye contact: In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if irritation develops and persists.

Skin contact: When in contact with the skin, clean with soap and water.

Ingestion: Do NOT induce vomiting. Rinse out mouth and give water in small sips to drink. Ingest activated charcoal. Call a physician or poison control center immediately.

Inhalation: Move to fresh air. Keep patient warm and at rest. If symptoms persist, call a physician.

Notes to Physician:

Symptoms: Bruising and haemorrhage formation, bloody vomiting, bloody urine, bloody faeces, gum bleeding, nose bleeding.

Risks: Delayed toxic effects (anticoagulation) of 36 to 72 hours.

Treatment: Elementary aid, decontamination and symptomatic treatment.

Antidote: Vitamin K₁ - 10 mg i.v., if necessary repeat; in cases of grave bleeding: prothrombin complex preparates.
Monitor the blood clotting time (prothrombin time).

5) FIRE FIGHTING MEASURES

In the event of fire the following can be released: Sulphur oxide, carbon monoxide (CO), bromine.

Fire extinguisher agents: Water spray, dry chemical, carbon dioxide (CO₂).

Protection for fire fighters: Wear self-contained breathing apparatus and protective suit.

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6) ACCIDENTAL RELEASE MEASURES

- Personal protection: Use personal protective equipment.
- Environmental precautions: Do not allow to get into surface water, drains and ground water.
If the product contaminates rivers, lakes or drains inform respective authorities.
- Methods for cleaning: Use mechanical handling equipment.
Collect and transfer the product into a properly labeled and tightly closed container.
- Additional advice: Information regarding personal protective equipment, see section 8.
Information regarding waste disposal, see section 13.

7) HANDLING AND STORAGE

- Handling: Advice on protection against fire and explosion: Keep away from heat and sources of ignition.
- Storage: Requirements for storage areas and containers
Keep containers tightly closed in a dry, cool and well-ventilated place.

8) EXPOSURE CONTROLS AND PERSONAL PROTECTION

- Personal protection during application: Suitable rubber gloves. Wash exposed skin area, face and hands after use.
- In all other cases the following recommendations would apply:
- Respiratory protection: No personal respiratory protective equipment normally required. 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: Wear CE Marked (or equivalent) nitrile rubber gloves (minimum thickness 0,40 mm). Wash when contaminated. Dispose of when contaminated inside, when perforated or when contamination outside cannot be removed. Wash hands always before eating, drinking, smoking or using the toilet.
- Eye protection; Wear goggles conforming to EN166 (Field of Use 5 or equivalent).
- Skin and body protection: Wear standard coverall and type 6 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.
- 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).

9) PHYSICAL AND CHEMICAL PROPERTIES

- Description: Tapered blue wax blocks, with a centre hole embossed with the word "FINALE".
- Melting range: 56 to 60 °C
- Average weight: 8 to 9 grams per block
- Water solubility: Insoluble

10) STABILITY AND REACTIVITY

- Stability: No dangerous reaction known under conditions of normal use.
Stable at recommended storage conditions.

11) TOXICOLOGICAL INFORMATION

- Acute toxicity:
LD₅₀, acute oral, rats: > 5000 mg/kg*
LD₅₀, acute dermal, rats: > 5000 mg/kg*
- Skin irritation: No skin irritation (rabbit)*
- Eye irritation: No eye irritation (rabbits)*
- Skin sensitisation: Non-sensitising (guinea pig) (relates to active ingredient)

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*The tests were conducted with a similar product.

Repeated dose activity, oral, rat: Dose: 0, 2, 4, 8 µg/kg
Exposure time: 3 Mon.
Number of exposures: p.d.
NOEL: 4 µg/kg
The value mentioned relates to the active ingredient difethialone.

12) ECOLOGICAL INFORMATION

Fish toxicity: (active ingredient)
Acute oral LC₅₀ (96 hours): 0,051 mg/l, Rainbow trout
0,075 mg/l Bluegill sunfish

Toxicity to waterflea *Daphnia magna*: (active ingredient)
Acute oral LD₅₀: 0,0044 mg/kg
Exposure time: 48 h

Toxicity to algae *Desmodesmus subspicatus*: (active ingredient)
EC₅₀ Growth rate: > 1.000 mg/l
Exposure time: 72 h

13) DISPOSAL CONSIDERATIONS

Product: In accordance with current regulations may be taken to waste disposal site or incineration plant, after consultation with site operator and/or with the responsible authority.

Contaminated packaging: Dispose of as unused product.
Do not use containers for other products.

14) TRANSPORT INFORMATION

| | |
|---------|---------------------|
| ADNR: | Not dangerous goods |
| ADR: | Not dangerous goods |
| GGVE: | Not dangerous goods |
| GGVS: | Not dangerous goods |
| IATA_C: | Not dangerous goods |
| IATA_P: | Not dangerous goods |
| IMDG: | Not dangerous goods |
| RID: | Not dangerous goods |

15) REGULATORY INFORMATION

Classification and labelling in accordance with the EC Directive on dangerous preparations 1999/45/EC as amended.

Classification: Labelling according to EC Directives

R-phrases:
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

WHO Classification: II (Moderately hazardous)

16) OTHER INFORMATION

Text of R phrases mentioned in Section 3:

R26/27/28: Very toxic by inhalation, in contact with skin and if swallowed.

R48/23/24/25: Toxic: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.

Consult the label for the directions for use.

THIS INFORMATION CONCERNS ONLY THE PRODUCT AS CONFORMING TO ITS SPECIFICATIONS AND LIMITED TO THE USES HEREIN STATED.

This sheet complements the technical sheet of use but does not replace it. The information contained on this sheet is based on knowledge of the product on the date of publication. It is given in good faith.
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