

SAFETY DATA SHEET



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1) IDENTIFICATION OF THE SUBSTANCE / PREPARATION

Commercial name: **FINALE® RAT AND MOUSE PELLETS**

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
+27 11 921 5429

Fax: +27 11 921 5754

Responsible department: Product Development and Regulatory Affairs
+27 11 921 5429/5471/5639
sharika.bajjnath@bayer.com

In case of poisoning emergencies:
Bayer (office hours only): +27 11 921 5429/5471/5639
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: Bait (ready for use) (RB)
Difethialone 0.0025 %

Hazardous components:

Chemical Name	CAS-No. / EINECS-No.	Symbol(s)	R-phrases(s)	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: Move out of dangerous area. Remove contaminated clothing immediately and dispose of safely. Place and transport victim in stable position (lying sideways).

Skin contact: Wash off immediately with soap and plenty of water. Get medical attention if irritation develops and persists.

Eye contact: Rinse immediately with plenty of water, also under 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: 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.) Call a physician or poison control center immediately. Rinse mouth.

NOTES TO PHYSICIAN:

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

Treatment: Symptoms of poisoning may only appear several hours later.
Keep under medical supervision for at least 48 hours.
Elementary aid, decontamination and symptomatic treatment.

Treatment: Systemic treatment: Monitoring of the blood picture.
Monitor the blood clotting time (prothrombin time).
If ingested, irrigate the stomach using activated charcoal in addition.
Antidote: vitamin K1 - 10 mg i.v., if necessary repeat; in cases of grave bleeding: prothrombin complex preparates.

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Spontaneous recovery.

5) FIRE FIGHTING MEASURES

Extinguishing media: Water spray, carbon dioxide (CO₂), foam, sand.

Specific hazards during fire fighting: In the event of fire the following can be released: Carbon monoxide (CO)

Protection for fire fighters: In the event of fire and/or explosion do not breathe fumes.
In the event of fire, wear self-contained breathing apparatus.

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

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

Additional advice: Information regarding personal protective equipment, see section 8.
Information regarding waste disposal, see section 13.

7) HANDLING AND STORAGE

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

Storage: 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.

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

Storage stability:
Storage temperature: < 40 °C

Suitable materials: HDPE (high density polyethylene).

8) EXPOSURE CONTROLS AND PERSONAL PROTECTION

Personal protection during application: PVC or other plastic material gloves.

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: The pellets are blue in colour with white and brown specks, cylindrically shaped with irregular ends.

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10) STABILITY AND REACTIVITY

Hazardous reactions: No hazardous reactions expected when stored and handled according to prescribed instructions.

11) TOXICOLOGICAL INFORMATION

Acute toxicity: (active ingredient)

LD₅₀ oral, rat: 0,56 mg/kg
LD₅₀ oral, mice: 1,29 mg/kg
LD₅₀ acute percutaneous, rat: 6,5 mg/kg
Acute inhalation LC₅₀ (4 hours), rats: 5 to 19,3 µg/l air.

Skin irritation: No irritant effects to skin of healthy rabbits.

Skin sensitisation: Not a skin sensitizer.

Eye irritation: Slight irritant effect to eyes of rabbits disappearing after washing with water.

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.

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.

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Consult the label for directions for use.

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

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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