

SAFETY DATA SHEET



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1) IDENTIFICATION OF THE SUBSTANCE / PREPARATION

Commercial name: **FINALE[®] PASTE RAT AND MOUSE BAIT**

Usage: Rodenticide

Company identification: Bayer (Pty.) Ltd.
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SOUTH AFRICA

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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: Bait (ready for use) (RB)
Difethialone 0,0025 %

Hazardous components:

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

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

4) FIRST AID MEASURES

General information: Remove patients from the dangerous area. Place and transport victim in stable position (lying sideways). Remove contaminated clothing immediately and dispose of safely.

Skin contact: Wash skin immediately with copious amounts of water and soap. Get medical attention if irritation develops and persists.

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: 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 of poisoning: Bloody urine, bloody faeces, gum bleeding, nose bleeding, bruising and haemorrhage formation. Symptoms of poisoning may only appear several hours later.

Treatment: Keep under medical supervision for at least 48 hours.
Elementary aid, decontamination and symptomatic treatment.
Monitoring of 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. Spontaneous recovery.

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5) FIRE FIGHTING MEASURES

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

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

Special protective equipment 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: The nature of this product, when contained in commercial packs, makes spillage unlikely. However, if significant amounts are spilled then the following advice is applicable.
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).
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: Advice on safe handling
No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice.

Storage: 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.

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

Storage temperature: < 40 °C

Suitable materials: HDPE (high density polyethylene).

8) EXPOSURE CONTROLS AND PERSONAL PROTECTION

Personal protection during normal use and application: Protective gloves for chemicals.

Personal protection during manufacture/formulating:

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.

9) PHYSICAL AND CHEMICAL PROPERTIES

Form: Solid, pasty

Colour: Greenish-blue

Odour: Weak characteristic

Melting point: > 200 °C

Density: Approx. 1,26 g/cm³ at 20 °C

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Solubility in water: Not dispersible
Ignition temperature: 415 °C
Autoignition temperature: From 359 °C
Combustion number: CN2 Short flaring without spreading at 20 °C
Flammability: The product is not highly flammable

10) STABILITY AND REACTIVITY

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

11) TOXICOLOGICAL INFORMATION

Acute toxicity:
LD₅₀ oral, rat: > 2500 mg/kg
LD₅₀ dermal, rat: > 2000 mg/kg
Irritation of the skin, rabbit: Non-irritant
Skin irritation, rabbit: Non-irritant
Skin sensitization, guinea pig: Non-sensitizing
Magnusson-Kligman-test, OECD Test Guideline 406

12) ECOLOGICAL INFORMATION

Fish toxicity: (active ingredient)
LC₅₀: 0.075 mg/l (96 h); (*Lepomis macrochirus*)
LC₅₀: 0.051 mg/l (96 h); Rainbow trout (*Salmo gairdneri*)
Toxicity for Daphnia: (active ingredient)
LC₅₀: 0.0044 mg/l (48 h); water flea (*Daphnia magna*)
Toxicity to algae: (active ingredient)
EC₅₀: >1.000 mg/l (72 h); (*Scenedesmus subspicatus*)

13) DISPOSAL CONSIDERATIONS

Product: 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.

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: Hazard warning labelling compulsory.

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

WHO-classification: III (Slightly hazardous).

16) OTHER INFORMATION

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 directions for use.

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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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