

SAFETY DATA SHEET



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1) IDENTIFICATION OF THE SUBSTANCE / PREPARATION

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

Usage: Rodenticide

Company identification: Bayer (Pty.) Ltd.
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Griffon Poison Information Centre: +27 82 446 8946

2) HAZARD IDENTIFICATION OF THE PRODUCT

Risk advice to man and the environment: No particular hazards known.

3) COMPOSITION / INFORMATION ON THE INGREDIENTS

Chemical nature: Granular bait (GB)
Difethialone 0.0025 %

Hazardous components:

Chemical Name	CAS-No.	Symbol(s):	R-phrase(s)	Concentration [%]
Difethialone	104653-34-1	T+, N	R26/27/28 R36 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 advice: Remove contaminated, soaked clothing immediately and dispose of safely.

Eye contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Skin contact: Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.

Ingestion: Do not induce vomiting. Wash out mouth with water. Keep at rest. Seek URGENT medical advice.

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

NOTE TO PHYSICIAN:

Symptoms: Bloody urine, bloody faeces, gum bleeding, nose bleeding, bruising and haemorrhage formation.
Symptoms of poisoning may not appear for several hours. Keep under medical supervision for at least 48 hours.

Treatment: Initial treatment should be symptomatic and supportive.
Monitoring of the blood picture.
Monitor the blood clotting time (prothrombin time).
If ingested, irrigate the stomach using activated charcoal in addition.
Antidote: Vitamin K – 10 mg i.v. if necessary repeat and in cases of grave bleeding, prothrombin complex preparates.
Recovery: Spontaneous.

5) FIRE FIGHTING MEASURES

Suitable extinguishing media: Water spray jet, Carbon dioxide (CO₂), dry powder, foam.

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Extinguishing media which should not be used for safety reasons: High volume water jet.

Specific hazards during fire fighting: In case of fire the evolution of dangerous gases is possible.

Special protective equipment for fire-fighters: In the vent of fire and/or explosion do not breathe fumes.
Wear self container breathing apparatus for fire fighting if necessary.

Further information: Remove product form areas of fire, or otherwise cool container with water in order to avoid pressure being built up due to heat.
Whenever possible, contain fire-fighting water by bunding area with sand or earth.

6) ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid dust formation.
Avoid contact with spilled product or contaminated surfaces.
When dealing with a spillage do not eat, drink or smoke.

Environmental precautions: Keep people and animals away.
Do not discharge into the drains/surface water/ground water.
If spillage enters drains leading to sewage works inform local water company immediately.

Methods for cleaning: Vacuum up spilled product.
Transfer collected material to heavy duty plastic drums and keep safe for disposal.
Clean contaminated floors and objects thoroughly, observing environmental regulations.

Additional advice: Information regarding safe handling, see section 7.
Information regarding personal protective equipment, see section 8.
Information regarding waste disposal, see section 13.
Check also for any local site procedures.

7) HANDLING AND STORAGE

Advice on safe handling: No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice.
Avoid dust formation.
Provide good ventilation of working area (local exhaust ventilation if necessary).

Advice on fire and explosion: The product can burn, but it is almost non-combustible.

Requirements for storage areas and containers: Keep container tightly closed in a dry and well-ventilated place.
Store in a place accessible by authorized persons only.

Further information on storage conditions: Protect against heat and direct sunlight.
Protect against moisture.

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

Storage temperature: 0-30 °C

Suitable materials: Keep in original packaging, tightly closed.

8) EXPOSURE CONTROLS AND PERSONAL PROTECTION

Application: Chemical impermeable gloves. Wash exposed skin area, face and hands after use.

Manufacture: Chemical impermeable gloves, goggles or face shield as necessary, respiratory protection (dust mask), full length overalls, apron and boots.

Emergency: Chemical impermeable gloves, safety goggles or face shield, effective respiratory protection or self-contained breathing apparatus as dictated by circumstances, full length protective clothing and boots.

Hygiene measures: Avoid prolonged contact with the skin. Wash exposed skin area immediately after handling.

9) PHYSICAL AND CHEMICAL PROPERTIES

Description: Blue colored wheat based grain bait.

Solubility: Difethialone, technical in water at 25 °C solubility is 0,39 mg/l ; slightly soluble in acetone and ethanol.

10) STABILITY AND REACTIVITY

Conditions to avoid: Extremes of temperature and direct sunlight.

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Materials to avoid: None.

Hazardous reactions: No hazardous reactions when stored and handled according to prescribed instructions.
Stable under normal conditions.

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: 5,30 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 hare: (active ingredient)

Acute oral LD₅₀: 0,75 mg/kg

Toxicity to quail: (active ingredient)

Acute oral LD₅₀: 0,26 mg/kg

Toxicity to duckling: (active ingredient)

Acute oral LC₅₀: 1,94 ppm

Degradation: Difethialone in rats, following oral administration, is characterised by a short half-life in blood, a longer half-life in the liver and an essentially faecal elimination with almost complete absence of metabolism.

Bioaccumulation: High adsorption and low degradation in soil under aerobic conditions.

13) DISPOSAL CONSIDERATIONS

Product disposal: 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
Can be landfilled or incinerated, when in compliance with local regulations.

Disposal of used packaging material: Destroy the empty container by perforation and flattening and dispose of packaging and unused product as for toxic waste in accordance with local/national regulations. DO NOT re-use for any other purpose.

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.

Hazardous components which must be listed on the label: Deltamethrin.

Exceptional labelling: To avoid risks to man and the environment, comply with the instructions for use.

Risk phrase(s):

R25: Toxic if swallowed.

R51: Toxic to aquatic organisms.

R55: Toxic to fauna.

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Safety phrase(s):

S2: Keep out of the reach of children.

S13: Keep away from food, drink and animal feedingstuffs.

S24: Avoid contact with skin.

S37: Wear suitable gloves.

S46: If swallowed, seek medical advice immediately and show container or label.

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.

R36: Irritating to eyes.

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 instructions 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. If the logo in this document is not in colour, this document is a photocopy and could be out of date.