

Safety Data Sheet: Pindone Pellets

1. IDENTIFICATION

Product Name:	Pindone Pellets
Other Names:	Pindone Pellets for control of possums and rats.
Recommended Use:	Vertebrate Toxic Agent (VTA) for the control of possums and rabbits.
Distributor:	Key Industries Ltd
Address:	P.O. Box 65070, Mairangi Bay, Auckland 0754
Telephone:	09 917 1791
Emergency Phone:	0800 CHEMCALL (0800 243 622) 24 hours
National Poisons Centre:	0800 POISON (0800 764 766)

2. HAZARDS IDENTIFICATION

Hazardous substance according to the HSNO Act 1996 Hazardous Substances (Hazard Classification) Notice 2020.

Approval:	HSR001604; Bait containing 0.25 – 0.5 g/kg pindone.
Hazard Classifications:	Specific target organ toxicity (repeated exposure) Category 2, Designed for biocidal action.

Pictograms:



Signal word:	WARNING
Hazard statements:	May cause damage to organs through prolonged or repeated exposure. Hazardous to terrestrial vertebrates.
Precautionary statements:	
Prevention:	Read label before use. Do not breathe dust. Avoid release to the environment (unless used as per label).
Response:	Get medical advice/attention if you feel unwell. Collect spillage.
Storage:	-
Disposal:	Dispose of product and container in accordance with local regulations.

Other information:

Hazardous Substance (Labelling) Notice 2020

A person who uses this substance must take all reasonable steps to ensure that the substance does not adversely affect non-target terrestrial vertebrates.

NZS5433 Transportation of Dangerous Goods on Land
Classified as non-DG for transport.

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3. COMPOSITION: INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Concentration (%w/w)
Pindone	83-26-1	0.05
Other ingredients (bulking agents, flavor, colorant, preservative)*	Trade secret	Balance

* Do not affect hazardous classification of the substance

4. FIRST AID MEASURES

Consult the National Poisons Information Centre 0800 POISON (0800 764 766) or a doctor in every case of suspected chemical poisoning. Have product label or Safety Data Sheet at hand.

INGESTION: Rinse mouth. Get medical advice if person feels unwell.

If vomiting occurs spontaneously, keep head below hips to prevent vomit entering lungs.

SKIN CONTACT: Wash affected area with soap and water. If irritation persists, obtain medical advice.

EYE CONTACT: Flush with running water for at least 15 minutes. Remove contact lenses if present, and easy to do after 5 minutes before continuing rinsing. If irritation develops, obtain medical assistance.

INHALATION: Remove patient to fresh air and keep at rest until recovered. Get medical advice if person feels unwell.

First Aid facilities:

Provide eye baths and safety showers close to work areas.

Advice to Doctor:

Treat symptomatically. Product may reduce clotting of the blood. If ingested administer Vitamin K1 intramuscularly or orally as indicated by bishydroxycoumarin overdoses, Reaped as necessary based on monitoring of prothrombin times.

5. FIRE FIGHTING MEASURES

Flashpoint: Non-flammable solid.

Suitable extinguishing media: Water fog, fine water spray, carbon dioxide, dry chemical, foam as appropriate to surrounding materials.

Hazards from combustion products: Generates harmful/toxic fumes/smoke.

Precautions for fire fighters and special protective equipment: Self-contained breathing apparatus with full face-piece and protective clothing.

Hazchem Code: Not applicable.

6. ACCIDENTAL RELEASE MEASURES:

Personal Precautions: Read label before use. Do not eat, drink or smoke when using product. Wear appropriate personal protection equipment, e.g. gloves and safety glasses, to prevent exposure.

Environmental Precautions: Contain spillage and prevent from entering drains, sewer or any water course. In event of spillage contaminating a watercourse, notify the Police, local Health Protection Officer and Council.

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Methods and materials for containment: Sweep or shovel solid material into labelled containers that can be sealed. Avoid generating dust. Clean up and report spills immediately.

7. HANDLING AND STORAGE

Precautions for Safe Handling:

Read label before use and ensure all approvals/notifications/permissions in place as may be applicable. Wear rubber gloves, protective clothing (overalls) and boots. Wear approved safety glasses.

Changing out of work clothing and showering recommended at the end of each work shift. Wash work clothes separately from other household clothing.

Read and observe all precautions and instructions on the label. Ensure use does not adversely affect non-target vertebrates. Do not contaminate water, feed, or food by storage, handling, or disposal.

Conditions for Safe Storage:

Keep out of reach of children. Store in closed original container in a cool, dry place away from direct sunlight and in well-ventilated area. Store away from animal and human foodstuffs.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Health Exposure Standards: Workplace Exposure Standards (WES), have been set by Worksafe (ed. 13, April 2022) for compounds in this substance:

Pindone WES-TWA 0.1 mg/m³

Biological limit values: None established

Engineering Controls:

Ventilation: Use outdoors or in a well-ventilated area.

Personal Protective Equipment:

Respiratory Protection: Respiratory protection should not be necessary under normal use conditions. However, if bulk loading or dust is generated, wear an approved respirator or disposable face mask according to local standards.

Eye Protection: Wear safety goggles if risk of dust generation/exposure.

Skin/ Body Protection: Wear rubber gloves, protective clothing, e.g. overalls with long sleeves buttoned at neck and wrist, long pants), and boots.

The following Standards provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: **AS/NZS 4501**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Green coloured cereal-based pellet
Odour	Slight cereal/grain
Odour threshold	Not determined
pH	Not determined
Melting/Freezing point °C	Not determined

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Boiling Point/Range °C	Not determined
Flash Point °C	Not applicable
Flammability (solid, gas)	Not determined
Upper/lower flammability/explosive limits	Not known
Vapour Pressure mm Hg @ 20°C	Not determined
Vapour Density Pa @ 25°C	Not applicable
Relative density	Not determined
Solubilities	Pindone (active) has limited solubility (18 mg/L)
Partition coefficient: n-octanol/water	Not determined
Autoignition Temperature °C	Not determined
Decomposition Temperature °C	Not determined
Kinematic viscosity	Not applicable
Particle characteristics	Not available

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal storage and use conditions.

Conditions to avoid: Not specified.

Hazardous decomposition products: Not specified.

Hazardous reactions: Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicity classifications determined by assessment of the components in the formulated mixture.

Acute toxicity: Not classified as being acutely toxic by oral, dermal or inhalation exposure.

Aspiration hazard: Not classified as an aspiration hazard.

Respiratory irritation: Not classified as respiratory irritant.

Skin corrosion/irritation: Not classified.

Serious eye damage/irritation: Not classified.

Respiratory or skin sensitization: Not classified.

Germ cell mutagenicity: Not classified.

Carcinogenicity: Not classified.

Reproductive toxicity: Not classified.

Specific organ toxicity: Pindone adversely affects nervous system, blood and hematopoietic system, heart and vascular system.

Narcotic effects: Not classified.

Toxicological Information:

Pindone Oral, rat, LD₅₀ 10.3 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity: This product is classified for biocidal action. The EPA requires identification that this product may cause adverse effects to non-target terrestrial vertebrates. Product is approved as a vertebrate toxic agent (VTA).

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Do not contaminate waterways, sewers, or drains when using product, or disposing of product or container.

Persistence and degradability: Not specific information on product is available.

Potential to be bioaccumulative: No specific information available.

Mobility in soil: Pindone has limited solubility in water (18.2 mg/L).

Other adverse effects: No information available

Ecotoxicological Information:

Pindone Oral, rat, LD₅₀ 10.3 mg/kg

Fish, Rainbow trout, LC₅₀ (96 hr) 0.21 mg/L

Environmental Exposure Limits (EEL's): Not set.

13. DISPOSAL CONSIDERATIONS

Disposal Methods: Ensure container is empty before disposal to landfill.

Waste should be disposed of to an approved waste disposal facility or by burying at an approved site. Do not burn product or containers.

Ensure disposal of containers and product is in compliance with requirements of national and local authorities.

14. TRANSPORT INFORMATION

Road and Rail Transport		Marine Transport		Air Transport	
UN No.		UN No.		UN No.	
Proper Shipping Name		Proper Shipping Name		Proper Shipping Name	
DG Class		DG Class		DG Class	
Sub. Risk		Sub. Risk		Sub. Risk	
Pack Group		Pack Group		Pack Group	
Hazchem		Hazchem			

Marine Pollutant: -

Dangerous Goods Segregation

This product is classified as a non-Dangerous Good Class for Transport.

Please consult the Land Transport Rule: Dangerous Goods 2005, and NZS 5433:2020 Transport of Dangerous Goods on Land for information.

15. REGULATORY INFORMATION

HSNO Act 1996

Approval Code:

HSR001604

Bait containing 0.25 - 0.5 g/kg pindone.

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Classifications: Specific target organ toxicity (repeated exposure) Category 2,
Designed for biocidal action.

Controls: Refer to www.epa.govt.nz for information on Controls and
www.worksafe.govt.nz for further information on compliance.

Additional label statement requirements:

Hazardous Substances (Labelling) Notice 2017: Clauses 19 and 23 apply. Product label to identify as hazardous to the terrestrial environment.

Hazard Substances (Hazardous Property Controls) Notice 2017; Clauses 53, 56 & 57 apply.

A person who uses this substance must take all reasonable steps to ensure that the substance does not adversely affect non-target terrestrial vertebrates.

ACVM Act 1997

Registration Number: V4396; Pindone RS5 Pellets.

Refer to www.foodsafety.govt.nz for Conditions of Registration.

If applying by broadcast or aerial methods, an Approved Use for Pindone Certificate is required.

Aerial application also requires public notification.

16. OTHER INFORMATION

Date of issue: 20th June 2022

Reasons for Issue: Update GHS classification, SDS information, 24 hour Emergency telephone number.

Replaces: SDS dated 19th November 2019.

Abbreviations:

ACVM	Agricultural Compounds and Veterinary Medicines
ECHA	European Chemical Agency
EPA	New Zealand Environmental Protection Authority
GHS	Global Harmonised System
HSIS	Hazardous Substance Information System
HSNO	Hazardous Substances and New Organisms
NZIoC	New Zealand Inventory of Chemicals
STEL	Short Term Exposure Limit (15 minute exposure period)
TWA	Time-Weighted Average (8 hours exposure period)
WES	Workplace Exposure Standard

References:

EPA www.epa.govt.nz

Supplier information and SDS

Worksafe NZ www.worksafe.govt.nz

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the supplier's knowledge. 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. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses, but is in no way an absolute authority. Please

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consult the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact Key Industries Limited.