



SAFETY DATA SHEET

FREEZONE SHOTGUN PINDONE OAT RABBIT BAIT APVMA Approval No.
65834

SECTION 1. IDENTIFICATION

Product name: FREEZONE SHOTGUN PINDONE OAT RABBIT BAIT APVMA Approval No. 65834

Recommended Use: Ready for use rabbit bait.

Restrictions on Use: None specified.

Supplier of SDS: Freezone Public Health Pty Ltd

Supplier Address: 18 Gilpin Street
Shorncliffe QLD 4017

Supplier Phone: 07 3869 4436

Supplier Fax: 07 3869 4433

Supplier Email: info@freezone.net.au

Emergency Telephone Number: Craig Jephcott 0412 200 252
Poisons Information Centre 13 11 26

SECTION 2. HAZARD(S) IDENTIFICATION

Classification of the substance or mixture

Health Hazards: Not Classified

Physical Hazards: Not Classified

Environmental Hazards: Not Classified

SUSMP Classification

S6

ADG Classification

None allocated. Not a Dangerous Good under the ADG Code.

Label Elements and Precautionary Statements

Hazard Statements: May be harmful if swallowed.

Precautionary Statements: Keep out of reach of children.
Read label before use.
Keep / Store away from foodstuffs, beverages and animal feeding stuffs.
Do not get on skin.
Do not eat, drink or smoke when using this product.
Wear protective gloves.
Avoid release to the environment.

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IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Store in a closed container.

Store locked up.

Dispose of contents/container in accordance with local regulations.

SECTION 3. COMPOSITION AND INFORMATION ON INGREDIENTS

<p>Pindone contains 0.05% CAS number: 83-26-1 EC number: 201-462-8</p>	<p>Classification Acute toxicity - category 3 Specific target organ toxicity (repeated exposure) - category 1 Hazardous to the aquatic environment (acute) - category 1 Hazardous to the aquatic environment (chronic) - category 1</p>
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Full text for all hazard statements is contained in Section 16.

SECTION 4. FIRST AID MEASURES**First aid measures**

General information	You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call. ADVISE FOR DOCTORS: Pindone is an indirect anticoagulant. Phytomenadione, Vitamin K1, is antidotal. Determine prothrombin times not less than 18 hours after consumption. If elevated, administer Vitamin K1 until prothrombin time normalizes. Continue determination of prothrombin time for two weeks after withdrawal of antidote and resume treatment if elevation occurs in that time.
Inhalation	First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.
Ingestion	If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. Contact a Poisons Information Centre or a doctor.
Skin contact	Gently brush away excess solids. Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until chemical is removed.
Eye contact	Quickly and gently brush particles from eyes. Immediately flush the contaminated eye(s) with lukewarm, gently flowing water until the particles are removed, while holding the eyelid(s) open. Obtain medical attention if irritation persists, or if particles are lodged in surface of the eye(s). Take special care if exposed person is wearing contact lenses.
Protection of first aiders	Use suitable protective equipment for surrounding materials.

Symptoms caused by exposure

General information	Severity of the symptoms described will vary depending on the concentration and length of exposure.
Inhalation	No symptoms known.
Ingestion	Rinse mouth. Do not induce vomiting. Call a medical doctor immediately.
Skin contact	May cause irritation to skin.
Eye contact	May cause slight irritation to eyes.

Medical attention and special treatments

Notes to the doctor	Treat symptomatically.
Specific treatments	Pindone is an anticoagulant. Phytomenadione, Vitamin K1, is antidotal. Determine prothrombin times not less than 18 hours after consumption. If elevated, administer Vitamin K1 until prothrombin time normalizes. Continue determination of prothrombin time for two weeks after withdrawal of antidote and resume treatment if elevation occurs in that time.

SECTION 5. FIREFIGHTING MEASURES**Extinguishing media**

Not Combustible. Use extinguishing media suited to burning materials.

Fire and Explosion Hazards

There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

Specific hazards arising from the chemical

Thermal combustion of product may produce harmful gasses or vapours.

Special protective equipment and precautions for firefighters

Firefighting precautions Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat and remove them from the fire area if it can be done without risk.

Protective equipment Self-contained breathing apparatus, suitable gloves and boots.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions Wear suitable protective clothing, gloves and eye/face protection. **See section 8.**

Environmental precautions Prevent further leakage or spillage if safe to do so. Prevent spillage from entering drains or water courses.

Clean up methods As a minimum, wear overalls, goggles and gloves. Suitable materials for protective clothing include rubber, PVC. Eye/face protective equipment should comprise as a minimum, protective glasses and, preferably, goggles. If there is a significant chance that dusts are likely to build up in cleanup area, we recommend that you use a suitable Dust Mask.

Stop leak if safe to do so, and contain spill. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Consider vacuuming if appropriate. Recycle containers wherever possible after careful cleaning. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill.

Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

SECTION 7. HANDLING AND STORAGE

Precautions for handling Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Avoid contact with skin and eyes. Avoid dust formation. Do not smoke eat or drink while handling this product. Always use good personal hygiene procedures when handling chemicals. Wash hands and face before eating, drinking or smoking. Read the label before use.

Conditions for safe storage This product is a Scheduled Poison. Observe all relevant regulations regarding sale, transport and storage of this schedule of poison. Store packages of this product in a cool place. Make sure that containers of this product are kept tightly closed. Keep containers dry and away from water. Keep containers of this product in a well ventilated area. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. Check packaging - there may be further storage instructions on the label.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure limits

ASCC Exposure Limits 0.1 mg/m³

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment

systems.

Exposure controls

Ventilation	This product should only be used in a well ventilated area. If natural ventilation is inadequate, use of a fan is suggested.
Eye Protection	Eye protection is not normally necessary when this product is being used. However, if in doubt, wear suitable protective glasses or goggles.
Skin Protection	The information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves (preferably elbow- length) when skin contact is likely.
Protective Material Types	We suggest that protective clothing be made from the following materials: rubber, PVC.
Respirator	Usually, no respirator is necessary when using this product. However, if there is a significant chance that dusts are likely to build up in the area where this product is being used, we recommend that you use a suitable Dust Mask.

The following Australian Standards will provide general advice regarding safety clothing and equipment

Respiratory equipment: AS/NZS 1715
 Protective Gloves: AS 2161
 Industrial Clothing: AS2919
 Industrial Eye Protection: AS1336 and AS/NZS 1337
 Occupational Protective Footwear: AS/NZS2210

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Green coloured (dyed) oat grains.
Colour	Green.
Odour	Characteristic oat odour.
Odour threshold	No information available.
pH	No information available.
Melting point	No information available.
Initial boiling point and range	No information available.
Flash point	No information available.
Evaporation rate	No information available.
Evaporation factor	No information available.
Flammability (solid, gas)	Non Flammable.
Upper/lower flammability or explosive limits	No information available.
Other flammability	No information available.
Vapour pressure	No information available.
Vapour density	No information available.
Relative density	No information available.
Bulk density	No information available.
Solubility(ies)	Insoluble.
Partition coefficient	No information available.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Viscosity	No information available.
Explosive properties	No information available.
Explosive under the influence of a flame	No information available.
Oxidising properties	Does not meet the criteria for classification as oxidising.

SECTION 10. STABILITY AND REACTIVITY

Chemical stability	Stable under normal conditions when used and stored in accordance with label.
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Reactivity	There are no known reactivity hazards associated with this product.
Possibility of hazardous reactions	No hazardous reactions known.
Conditions to avoid	None known.
Incompatible materials	Water, strong oxidising agents
Hazardous decomposition	Combustion or thermal decomposition will produce toxic and irritant fumes.

SECTION 11. TOXICOLOGICAL INFORMATION

Local Effects:

Target Organs: This product attacks the blood by reducing prothrombin levels.

Potential Health Effects

Pindone inhibits the manufacture of blood clotting factors (prothrombin), leading to a reduction in the clotting ability of the blood. Large single exposures can result in acute poisoning. However, Pindone is cumulative when given as a series of smaller doses over a period of 4 to 12 days. This causes anticoagulant poisoning with a long latent period between ingestion and mortality, resulting in death due to internal haemorrhaging. One of the advantages of Pindone is the availability of an antidote in the case of accidental poisonings.

Inhalation

Short Term Exposure: Available data indicates that this product is not harmful. In addition product is unlikely to cause any discomfort or irritation.

Long Term Exposure: No data for health effects associated with long term inhalation.

Skin Contact

Short Term Exposure: Available data indicates that this product is not harmful. It should present no hazards in normal use. In addition product is unlikely to cause any discomfort in normal use.

Long Term Exposure: No data for health effects associated with long term skin exposure.

Eye Contact

Short Term Exposure: This product is likely to be mechanically irritating. If exposure is minor or brief, no long term effects should result. However, if material is not removed promptly, scratches to surface of the eye may result with long term consequences.

Long Term Exposure: No data for health effects associated with long term eye exposure.

Ingestion

Short Term Exposure: Significant oral exposure is considered to be unlikely. Although used as a bait to kill rabbits, this product is not acutely harmful; it works slowly and cumulatively. If swallowed, there is ample time for treatment.

Long Term Exposure: No data for health effects associated with long term ingestion.

Carcinogen Status

SWA: No significant ingredient is classified as carcinogenic by SWA.

NTP: No significant ingredient is classified as carcinogenic by NTP.

IARC: No significant ingredient is classified as carcinogenic by IARC.

SECTION 12. ECOLOGICAL INFORMATION

Some information on the hydrolytic stability of Pindone sodium is available from stability studies conducted

over a 24 week period with an aqueous pindone concentrate (25 g/L). The pH of this solution is not disclosed, but would be expected to be neutral to alkaline. HPLC analysis revealed that the concentration of Pindone sodium declined linearly with time, with extrapolated half-lives of 370 weeks at 8.5°C, 27 weeks at 30.5°C, and 8.7 weeks at 39.5°C. Loss was assumed to reflect degradation, but no investigations were undertaken to identify breakdown products. Pindone is not expected to be mobile in soils, by analogy with chlorophacinone and diphacinone. The sodium salt is water soluble and likely to be more mobile, although residues should not persist. This assumption is based on surrogate data for chlorophacinone and diphacinone which are not particularly persistent.

An excellent APVMA review of Pindone (May 2002) is available at <http://www.apvma.gov.au/chemrev/pindone2.pdf>

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal: You should not attempt to reclaim or recycle this product. We suggest that, subject to the regulations in your area, this product should be disposed in landfill.

SECTION 14. TRANSPORT INFORMATION

General Not classified as dangerous for transport within Australia.

SECTION 15. REGULATORY INFORMATION

AICS: All of the significant ingredients in this formulation are compliant with NICNAS regulations.

The following ingredient: Pindone, is mentioned in the SUSDP.

SECTION 16. OTHER INFORMATION

Revision date	20/01/20
Revision	3
Supersedes date	31/12/16
Complete hazard statements	H303: May be harmful if swallowed.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.