

Safety Data Sheet

According to HSNO Hazardous Substances
(Safety Data Sheets) Notice 2017

Section 1. Identification of the material and the supplier

Product Name: **Ecobait® IP**
Product Use: Molluscicide - Bait used for the control of snails and slugs.
Restriction of Use: Refer to Section 15

Registrant: Borie Industries S.A.S.U.
3 rue des entrepreneurs
Z.A. de Borie
47480 Pont Du Casse
France

Distributor: Ravensdown Limited
292 Main South Road
Hornby
Christchurch 8042
New Zealand
Phone: 0800 100 123
www.ravensdown.co.nz

Emergency No: **0800 764 766 (National Poison Centre)**

Date of SDS Preparation: 14 Oct 2024

Section 2. Hazards Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval No: HSR101617

Pictograms: None

Signal Word: None

GHS Classification and Category	Hazard Code	Hazard Statement
Designed for Biocidal Action	None	Designed for Biocidal Action

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label carefully and follow all instructions.
EPA Variations to Controls	Do not apply directly into or onto water.
	The substance must be applied using ground-based methods only
	Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area

Response Code	Response Statement
P264	Wash hands thoroughly after handling.

Storage Code	Storage Statement
P405	Store in the closed original container in a cool, well-ventilated area, out of direct sunlight. When stored appropriately, this product should show no significant degradation for 2 years from the date of manufacture. Contact your supplier for further information about the use of any product that is older than this

Disposal Code	Disposal Statement
P501	Dispose of this product by using in accordance with this label. Dispose of packaging to a suitable landfill.

Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Ferric Phosphate	2.42%	10045-86-0
Other ingredient not contributing to overall hazard	To bal	NA

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.
If on Skin	Wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention.
If Swallowed	Do not induce vomiting. Rinse mouth thoroughly with water. Never give anything to the mouth of an unconscious person. If vomiting occurs, place the victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Seek medical attention if needed.
If Inhaled	The mixture is a non-dusty pellet. Inhalation is not applicable as a route of exposure in normal condition of use.

Most important symptoms and effects, both acute and delayed

Symptoms: None known

Clinical symptoms: None known

Notice to Physician: Treat symptomatically.

Section 5. Fire Fighting Measures

Hazard Type	Non-Flammable Solid
Hazards from combustion products	The mixture does not readily propagate combustion. Normal products of organic combustion will be released under conditions of pyrolysis or combustion e.g. Carbon monoxide (CO), Carbon dioxide (CO ₂) in a fire.
Suitable Extinguishing media	Use foam, dry chemical, carbon dioxide, or water spray when fighting fires involving this material. Foam or dry chemical fire extinguishing system is preferred to prevent excessive water runoff.
Precautions for firefighters and special protective clothing	Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.
HAZCHEM CODE	None Allocated

Section 6. Accidental Release Measures

Wear protective gear as detailed in Section 8. Evacuate all unnecessary personnel. Operators must observe precautions in handling, storage and exposure controls sections of this safety data sheet. If there is a significant chance that vapours, mists or dust are likely to build up in the cleanup area, we recommend that you use a respirator. Usually, no respirator is necessary when using this product.

Recover the product as much as possible, place it in a receptacle (drum), label and have it destroyed by an approved destroyer. Prevent spillage from entering drains and waterways.

Methods and material for containment and cleaning up**Personal Precautions, Protective Equipment and Emergency Procedures**

Operators must observe precautions in handling, storage and exposure controls sections of this safety data sheet. See also section 8 of this safety data sheet.

Environmental Precautions

Recover the product as much as possible, place it in a receptacle (drum), label and have it destroyed by an approved treatment facility or dispose to an approved landfill. Prevent entry to sewers and public waters. Notify the authorities if product enters sewers or public waters. Do not empty into drains; dispose of this material and its container in a safe way (see section 13). Do not contaminate water with the product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads.

Methods and Material for Containment and Cleaning Up

Gather the bait with tools (shovel, broom for example) while respecting the above-mentioned instructions for use. Retrieve the product by sweeping or suction. Place in a labelled receptacle (drum) and incinerate according to legislation or recycle. After removal, clean contaminated area with water and detergent. Avoid the entry of washings into drains or waterways.

Section 7. Handling and Storage

Precautions for safe handling

Handling Precautions:

- Keep out of reach of children.
- Read label carefully and follow all instructions.
- Wash hands after use

Storage:

- Store securely.
- Keep away from food and out of reach of children.
- Store in original packaging in a well-ventilated place out of direct sunlight.

Specific end use

This product is molluscicide bait (control of snails and slugs). Precautions for Storage:

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³

None of the components have assigned exposure limits

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices APRIL 2022 13TH EDITION.

Engineering Controls

Not normally required when used as directed. No exposure limits or biological limits have been established. Use in well-ventilated areas. Keep containers closed when not in use.

Personal Protection Equipment



Eyes	Avoid contact with eyes. Eye protection is not necessary if using according to recommendations.
Hands	It is recommended that operators wear disposable latex or similar flexible gloves suitable for biological hazards. Care should be taken when removing and disposing of gloves. Users should wash hands immediately after handling.
Skin	Wear cotton overalls buttoned to the neck and wrist (or equivalent clothing)
Respiratory	The mixture is a pellet so there is no risk of inhalation. Keep away from food and out of reach of children.
General	Remove protective clothing and wash hands and face thoroughly before meals and after work. Do not eat, drink or smoke while using this product.

Section 9 Physical and Chemical Properties

Appearance	Pellets
Colour	Blue
Odour	Cereal like odour
Odour Threshold	Not available
pH	6 ± 1
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	Not available
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Specific Gravity	Not available
Water Solubility	Not available
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not available

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Possibility of hazardous reactions	The mixture is not known to undergo hazardous reactions under normal handling conditions.
Conditions to Avoid	None
Incompatible Materials	None known
Hazardous Decomposition Products	May product toxic gases of Carbon monoxide (CO), Carbon dioxide (CO2) in a fire.

Section 11 Toxicological Information**Acute Effects:**

Swallowed	This product is not classified as acutely toxic.
Dermal	This product is not classified as acutely toxic.
Inhalation	This product is classified as acutely toxic.
Eye	This product is not classified an eye irritant/corrosive.
Skin	This product is not classified as a skin irritant/corrosive.

Chronic Effects:

Carcinogenicity	This product is not classified as carcinogenic.
Reproductive Toxicity	This product is classified as toxic for reproduction.
Germ Cell Mutagenicity	This product is not classified as mutagenic.
Aspiration	This product is not classified as Asp Tox.
STOT/SE	This product is not classified as STOT SE.
STOT/RE	This product is classified as STOT RE.

Individual component information:

ACUTE TOXICITY

Acute toxicity – Oral: >5000 mg/kg
Acute toxicity - Dermal: >2000 mg/kg
Acute toxicity – Inhalation: Not applicable
Skin irritation: No.
Eye irritation: No.
Respiratory or skin sensitization: No.

CHRONIC TOXICITY:

Germ cell mutagenicity: Not classified.
Carcinogenicity: Not classified.
Reproductive toxicity: Not classified.
Aspiration hazard Not classified.
STOT-single exposure: Not classified.
STOT-repeated exposure: Not classified.

Section 12. Ecotoxicological Information

GHS Classes: Designed for biocidal action.

Product:	ENDURE MINI
Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available
Other adverse effects	No data available

Ecotoxicity:

Ecology – general: Designed for biocidal action.

Aquatic acute toxicity:

Data on a Mixture Containing 30 g/kg of Ferric Phosphate:

LC50 Fish (96 h.): >100 mg/L - (Oncorhynchus mykiss)
Algae (72 h.): EyC50: >100 mg/L - ErC50: >100 mg/L –(Pseudokirchneriella subcapitata)
EC50 Daphnia (48 h.): > 100 mg/L - (Daphnia magna)

Persistence and Degradability:

No data available for the mixture.

Bioaccumulative Potential:

No data available for the mixture.

Mobility in Soil:

No data available for the mixture.

Results of PBT and vPvB Assessment:

No data available for the mixture.

The active substance, ferric phosphate, is not considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB).

Section 13. Disposal Considerations

Disposal Method:

Waste Treatment Methods

PRODUCT: Do not put in domestic waste. Do not release into drains or waterways. Refer to local waste and environmental regulations.
Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

PACKAGING: Empty container completely and dispose of safely. Do not use original packaging or empty container for any other purpose.

Precautions or methods to avoid: Do not put in domestic waste. Do not release into drains or waterways.

Section 14 Transport Information

This product is not classified as a Dangerous Good for transport in NZ ; NZS 5433:2020 and SNZ HB 5433:2021

Road, Rail, Sea and Air Transport

UN No	NA
Class - Primary	NA
Packing Group	NA
Proper Shipping Name	NA
Marine Pollutant	NA
Special Provisions	NA
Limited Quantities	NA

Section 15 Regulatory Information

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval Code: HSR10167

HSW (HS) Regulations 2017	Trigger Quantity
Signage Trigger Quantities (Schedule 3)	Not required
Emergency Response Plan (Schedule 5)	Not required
Secondary Containment (Schedule 5)	Not required
Tracking (Schedule 26)	Not required
Certified Handlers	Not required
Location Certificate	Not required
Restrictions of use (HSNO Additional Controls)	Refer to EPA website for full control details www.epa.govt.co.nz
EPA Variations to controls	
Application restrictions Variation to HPC Notice Clause 50	The maximum application rate is 0.21 kg iron (III) phosphate (hydrated)/ha which equates to 7 kg of formulated substance applied per hectare.
Use restrictions Variation to HPC Notice Clause 52	Clause 52 of the Hazardous Property Controls Notice applies to this substance as if it is an agrichemical that is in the hazard class hazardous to the aquatic environment.

Label Variation to Labelling Notice	The substance label must include the following statements, or words to the same effect: • The substance must be applied using ground-based methods only.
ACVM Registration Number (See www.foodsafety.govt.nz for registration Conditions).	P10040

Section 16 Other Information

Glossary

Cat	Category
EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
NOEL	No observed effect level
NOEC	No observed effect concentration
PBT	Persistent, bioaccumulative, toxic
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
VPvB	Very Persistent, very Bioaccumulative
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices April 2022 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

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Issue Date: 14 Oct 2024 Review Date: 14 Oct 2029