

SAFETY DATA SHEET

METAREX INOV

SLUG AND SNAIL BAIT

1 – IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1 - Product identifier:

METAREX INOV SLUG AND SNAIL BAIT

1.2 - Relevant identified uses of the substance/mixture and uses advised against:

Molluscicide - Bait used for the control of slugs.

1.3 - Details of the supplier of the safety data sheet:

- **Registration holder:**

DE SANGOSSE S.A.S.
 Bonnel – CS10005 - 47480 Pont Du Casse (France)
 ☎: +33 5 53 69 36 30 - Fax: + 33 5 53 66 30 65
 Department in charge of information: Regulatory Department
 ☎: +33 5 53 69 81 89 – Fax: + 33 5 53 47 95 01
 E-Mail: fds@desangosse.com

- **Marketing company in Australia:**

AgNova Technologies Pty Ltd
 Suite 3, 935 Station St
 Box Hill North Vic 3129 (Australia)
 ☎: (03) 9899-8100 – Fax: (03) 9899 8500
 E-Mail: info@agnova.com.au

1.4 - Emergency telephone number:

Australian emergency number: 1800 033 111

2 – HAZARDS IDENTIFICATION

2.1 - Classification of the mixture:

In accordance with GHS Classification: Not classified

Pictogram: No pictogram

Hazard statement: No hazard statement

Precautionary statements: Keep out of reach of children. Keep away from animals, poultry, ducks and domestic pets as accidental poisoning may be fatal. Harmful if swallowed. Harmful if inhaled. Do not inhale dust. Wash hands after use. Read safety directions before opening or using.

Hazard Designation: Based on available information, not classified as hazardous according to the criteria of Safe Work Australia

ADG Classification: Based on available information, not classified as a Dangerous Good under the Australian Code for the Transport of Dangerous Goods by Road and Rail, 7th Edition

SUSMP Classification: Schedule 6

3 – COMPOSITION / INFORMATION ON INGREDIENTS

3.1 - Mixtures:

This mixture contains 4% (40 g/kg) of Metaldehyde (CAS No.: 108-62-3). The rest of the ingredients are non-hazardous.

4 – FIRST AID MEASURES

4.1 - Description of first aid measures

GENERAL INFORMATION:

- Remove the affected person from the work area. Take them to a well-ventilated place and protect them from hypothermia.
- **Do not administer anything orally and never make a drowsy, comatose or convulsive person vomit.** Contact the Poisons Information Centre (ph 13 11 26) or a physician. Consult a physician and show them the packaging or label.

EYE CONTACT:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Monitor for symptoms described below.

INHALATION:

- The mixture is a non-dusty pellet. Inhalation is not applicable as a route of exposure in normal condition of use.

SKIN CONTACT:

- Remove contaminated clothing. Launder before re-use.
- Rinse skin immediately with soap and water.
- Monitor for symptoms described below.

INGESTION:

- Wash out mouth with plenty of water.
- If swallowed, seek medical advice immediately and show the container/label/safety data sheet.
- Do not induce vomiting unless told to do so by the poison control centre or doctor.
- Do not give anything by mouth to an unconscious person.

4.2 - Most important symptoms and effects, both acute and delayed

Clinical symptoms: Nervous and digestive disorder.

4.3 - Indication of any immediate medical attention and special treatment needed

No known antidote, apply a symptomatic treatment (pumping out of the stomach, administration of active charcoal and laxative).

5 – FIREFIGHTING MEASURES

5.1 - 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 run off.

5.2 - Special hazards arising from the mixture

The mixture does not readily propagate combustion. Normal products of organic combustion will be released under conditions of pyrolysis or combustion.

5.3 - Advice for fire-fighters

Fire-fighters should wear full protective clothing and self-contained breathing apparatus.

6 – ACCIDENTAL RELEASE MEASURES

6.1 - Personal precautions, protective equipment and emergency procedures

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

6.2 - Environmental precautions

Prevent spillage from entering drains and waterways.

6.3 - Methods and material for containment and cleaning up

Collect spilled baits 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.

6.4 - Reference to other sections

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7 – HANDLING AND STORAGE

7.1 - Precautions for safe handling

Harmful if swallowed. Harmful if inhaled. Do not inhale dust. Refer to section 8 for personal protective equipment. Wash hands after use.

7.2 - Conditions for safe storage, including any incompatibilities

Store in the closed original container in a dry, cool, well ventilated area, out of direct sunlight. Store in a locked room or place out of the reach of children, animals, food, feedstuff, seed and fertilisers.

7.3 - Specific end use

This product is a molluscicide bait (control of snails and slugs).

8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 - Control parameters

No exposure limits or biological limits have been established. NOHSC has not placed metaldehyde on the Schedule for Health Surveillance.

8.2 - Exposure controls

When opening the container, preparing the product for use (loading) and if applying by hand, wear cotton overalls buttoned to neck and wrist (or equivalent clothing) and elbow-length rubber gloves and disposable dust mask. After each day's use, wash gloves and contaminated clothing.

9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1 - Information on basic physical and chemical properties

APPEARANCE: Pellets

COLOUR: Green

ODOUR: Flour

MELTING POINT: No data available.

DECOMPOSITION TEMPERATURE: No data available

FLAMMABILITY: The preparation is not flammable

SELF IGNITION TEMPERATURE: The preparation is not flammable

OXIDISING PROPERTIES: Not oxidising

EXPLOSIVITY: Does not have explosive potential

VAPOUR PRESSURE: No data available

HENRY'S LAW CONSTANT: No data available

pH: 5.8

WATER SOLUBILITY: Not miscible

OCTANOL/WATER PARTITION COEFFICIENT (log P_{ow}): No data available

9.2 - Other information

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10 – STABILITY AND REACTIVITY

10.1 - Reactivity

The mixture is not known to undergo hazardous reactions under normal handling conditions.

10.2 - Chemical stability

The mixture is stable under normal ambient conditions.

10.3 - Possibility of hazardous reactions

The mixture is not known to undergo hazardous reactions under normal handling conditions.

10.4 - Conditions to avoid

The mixture is not known to undergo hazardous reactions in contact with other substances.

10.5 - Incompatible materials

The mixture is not known to undergo hazardous reactions under normal handling conditions.

10.6 - Hazardous decomposition products

The mixture is not known to produce hazardous decomposition products under normal storage conditions. Normal products of organic combustion will be released under conditions of pyrolysis or combustion.

11 – TOXICOLOGICAL INFORMATION

11.1 - Information on toxicological effects

ACUTE TOXICITY

Toxicological information for a mixture containing 5% w/w Metaldehyde

LD₅₀ oral: Rat: > 2000 mg/kg
 LD₅₀-dermal: Rat: > 2000 mg/kg
 LC₅₀ inhalation: No data available
 Eye irritation: Rabbit: Not an eye irritant
 Skin irritation: Rabbit: Not a skin irritant
 Sensitization: Mouse: Not a skin sensitizer

CHRONIC TOXICITY: No data available for the mixture.

Information on Metaldehyde active substance:

NOEL (21 days) – Rabbit: 1000 mg/kg
 NOEL (90 days) – Rat: 21 mg/kg
 NOEL (104 weeks) – Rat: 2 mg/kg

CARCINOGEN DATA: No data available for the mixture.

Information on Metaldehyde active substance: Not carcinogenic.

MUTAGENIC DATA: No data available for the mixture.

Information on Metaldehyde active substance: No evidence of mutagenic activity.

REPRODUCTIVE TOXICITY: No data available for the mixture.

Information on Metaldehyde active substance: No effect on reproduction.

OTHER COMMENTS: -

12 – ECOLOGICAL INFORMATION

12.1 - Toxicity

AQUATIC ACUTE TOXICITY

Ecological information on the active substance Metaldehyde

LC₅₀ – Fish (96 h.): 75 mg/L (*Oncorhynchus mykiss*); > 100 mg/L (*Cyprinus carpio*)
 EC₅₀ – Algae (72 h.): >200 mg/L (*Desmodesmus subspicatus*)
 EC₅₀ – Daphnia (48 h.): >90 mg/L (*Daphnia magna*)

INSECTS TOXICITY

Acute oral LD₅₀: > 87.5 µg a.i./bee
 Acute contact LD₅₀: >113 µg a.i./bee

BIRD TOXICITY

Ecological information on the active substance Metaldehyde

Acute oral LD₅₀: LD₅₀ – 170 mg/kg, bw – Japanese quail (*Coturnix coturnix*)
 LD₅₀ – 196 mg/kg, bw – Mallard duck (*Anas platyrhynchos*)
 LD₅₀ – 262 mg/kg, bw – Pheasant (*Phasianus colchicus*)

Ecological information on a mixture containing 5% metaldehyde.

Acute oral LD₅₀: LD₅₀ – 1,582.90 mg/kg (*Coturnix japonica*)

12.2 - Persistence and degradability

No data available for the mixture.

Data on Metaldehyde active substance: Not readily biodegradable.

12.3 - Bioaccumulative potential

No data available for the mixture.

12.4 - Mobility in soil

No data available for the mixture.

12.5 - Results of PBT and vPvB assessment

No data available for the mixture.

12.6 - Other adverse effects

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13 – DISPOSAL CONSIDERATIONS

13.1 - Waste treatment methods

Dispose of packaging carefully. Shake container empty into application equipment. DO NOT dispose of unused product on site. Puncture or shred empty containers and deliver empty packaging to an approved waste management facility. Do not burn empty containers or product.

14 – TRANSPORT INFORMATION

Not classified as a Dangerous Good according to the Australian Dangerous Goods Code for Rail and Road Transport, 7th Edition. Thus, no UN No. or DG Class allocated.

14.1 - UN Number:

This product is not classified as dangerous goods according to Australian regulations.

14.2 - UN proper shipping name:

This product is not classified as dangerous goods according to Australian regulations.

14.3 - Transport hazard class:

This product is not classified as dangerous goods according to Australian regulations.

14.4 - Packing group:

This product is not classified as dangerous goods according to Australian regulations.

14.5 - Environmental hazards:

This product is not classified as dangerous goods according to Australian regulations. See section 6, 7 and 8 of this safety data sheet.

14.6 - Special precautions for user:

See section 8 for personal protective equipment.

14.7 - Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:

Not regulated.

15 – REGULATORY INFORMATION

15.1 - Safety, health and environmental regulations/legislation specific for the substance

National regulations:

APVMA: Registered according to the Agricultural and Veterinary Chemicals Act 1994.

APVMA Product Number: 88160/120463

Respect the instructions for use to avoid risk for human health and environment.

15.2 - Chemical safety assessment

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16 – OTHER INFORMATION

Abbreviations:

ADG: Australian Dangerous Goods Code
APVMA: Australian pesticides and Veterinary Medicines Authority
CLP: Classification, Labelling and Packaging
EC₅₀: Effective concentration 50%
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
IATA: International Air Transport Association
IMDG: International Maritime Dangerous Goods
LC₅₀: Lethal concentration 50%
LD₅₀: Lethal dose 50%
NOEL: No observable level effect
NOHSC: National Occupational Health and Safety Commission
PBT: Persistent, bioaccumulative, toxic
SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons
VPvB: Very Persistent, very Bioaccumulative

Details of changes since last issue:

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Information noted in this safety data sheet is based on our present technical and scientific knowledge of the product at this date.

This information should be used as a guide and does not imply any warranty concerning the specific properties of the product and the specific local needs.

Recipients of this SDS must ensure that the information it contains has been properly read and understood by all who use, handle, dispose of or in contact with the product.

Our local licensee, liable for the local distribution of the product, will adapt this safety data sheet to the local regulation.