SAFETY DATA SHEET

METAREX INOV
SLUG AND SNAIL BAIT

1 – IDENTIFICATION

1.1 - Product identifier:
METAREX INOV SLUG AND SNAIL BAIT

1.2- Other means of identification:
APVMA number: 88160

1.3 - Recommended use of the chemical and restrictions on use:
Molluscicide - Bait used for the control of slugs.

1.4 - Details of manufacturer or importer:

- **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
Email: fds@desangosse.com

- **Marketing company in Australia:**

AgNova Technologies Pty Ltd
Unit 4, 482 Kingsford Smith Drive
Hamilton, Qld 4007 (Australia)
☎: (03) 9899-8100 – Fax: (03) 9899 8500
Email: info@agnova.com.au

1.5 - Emergency phone number:
Australian emergency number: 1800 033 111
Poisons Information Centre: 13 11 26

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2 – HAZARD(S) IDENTIFICATION

2.1 - Classification of the hazardous chemical:
In accordance with GHS7 Classification: Classified as hazardous
Classified as hazardous according to the criteria of Safe Work Australia (SWA)
Reproductive toxicity – Category 2
Acute toxicity (ingestion) – Category 5

Signal Word:
Warning

Pictogram:



GHS08 (Health Hazard)

Hazard statements:
H361f Suspected of damaging fertility
H303 May be harmful if swallowed

Precautionary statements:
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.

P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment not in line with the label.
P280 Wear protective gloves/protective clothing/face protection.
P301 + P312 IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell.
P308 + P313 IF exposed or concerned: Get medical advice/attention.

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

The label for current batches (up to Batch No. 0000272390) of this product is missing the following additional GHS7 statement – "Suspected of damaging fertility" and is thus not GHS7 compliant. However, this will be rectified on future batches of this product which will have the GHS7 compliant label.

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3 – COMPOSITION AND 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.

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4 – FIRST AID MEASURES

4.1 - Description of necessary 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 - Symptoms caused by exposure

Clinical symptoms: Nervous and digestive disorder.

4.3 - Medical attention and special treatment

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

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5 – FIREFIGHTING MEASURES

5.1 - Suitable extinguishing equipment

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 - Specific hazards arising from the chemical

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

5.3 - Special protective equipment and precautions for firefighters

Firefighters 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.

8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 – Exposure control measures

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

8.2 – Biological monitoring

No information available.

8.3 - Control banding

No information available.

8.4 - Engineering controls

No information available.

8.5 - Individual protection measures, for example personal protective equipment (PPE)

- **EYE AND FACE PROTECTION**:
  Eye protection is not necessary if using according to recommendations.
- **SKIN PROTECTION**:
  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.
- **RESPIRATORY PROTECTION**:
  Not required.
- **THERMAL HAZARDS**:
  Not applicable.

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9 – 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

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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.

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11 – TOXICOLOGICAL INFORMATION

11.1 - Information on toxicological effects

ACUTE TOXICITY

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

LD_{50} oral: Rat: > 2000 mg/kg
LD_{50}-dermal: Rat: > 2000 mg/kg
LC_{50} inhalation: No data available
Eye irritation: Rabbit: Not an eye irritant
Skin irritation: Rabbit: Not a skin irritant
Sensitisation: Mouse: Not a skin sensitiser

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

SKIN CORROSION/IRRITATION:
Not irritant.

SERIOUS EYE DAMAGE/IRRITATION:
Not irritant.

RESPIRATORY OR SKIN SENSITISATION:
Not sensitising.

GERM CELL MUTAGENICITY
No data available for the mixture.
Active substance Bromadiolone: No in vivo or in vitro evidence of mutagenicity.

CARCINOGENICITY:
No data available for the mixture.
Information on Metaldehyde active substance: Not carcinogenic.

REPRODUCTIVE TOXICITY:
No data available for the mixture.
Information on Metaldehyde active substance: Suspected of damaging fertility.

SPECIFIC TARGET ORGAN TOXICITY (STOT) – SINGLE EXPOSURE
No data available for the mixture.

SPECIFIC TARGET ORGAN TOXICITY (STOT) – REPEATED EXPOSURE
No data available for the mixture.

ASPIRATION HAZARD:
No data available.

12 – ECOLOGICAL INFORMATION

12.1 - Ecotoxicity

AQUATIC ACUTE TOXICITY

Ecological information on the active substance Metaldehyde

LC_{50} – Fish (96 h.): 75 mg/L *(Oncorhynchus mykiss);* > 100 mg/L *(Cyprinus carpio)*
EC_{50} – Algae (72 h.): >200 mg/L *(Desmodesmus subspicatus)*
EC_{50} – Daphnia (48 h.): >90 mg/L *(Daphnia magna)*

INSECTS TOXICITY
Acute oral LD_{50}: > 87.5 µg a.i./bee
Acute contact LD_{50}: >113 µg a.i./bee

BIRD TOXICITY

Ecological information on the active substance Metaldehyde

Acute oral LD_{50}: LD_{50} – 170 mg/kg, bw – Japanese quail *(Coturnix coturnix)*
LD_{50} – 196 mg/kg, bw – Mallard duck *(Anas platyrhynchos)*
LD_{50} – 262 mg/kg, bw – Pheasant *(Phasanius colchicus)*

Ecological information on a mixture containing 5% metaldehyde.

Acute oral LD_{50}: LD_{50} – 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 - Disposal 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.

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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 - Proper shipping name or technical 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 number:

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

14.5 - Environmental hazards for transport purposes:

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.

14.8- Hazchem or emergency action code

Not applicable.

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15 – REGULATORY INFORMATION

15.1 - Safety, health and environmental regulations

SUSMP classification: Schedule 6

APVMA: Registered according to the Agricultural and Veterinary Chemicals Act 1994.
APVMA Product Number: 88160

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

16 – ANY OTHER RELEVANT INFORMATION

Date of preparation of the latest revision

31 May 2023

Revisions

Section 1 - Addition of further information.
Section 1 - Addition of GHS7 hazard classifications.
Sections 1, 2, 4, 5, 7, 12, 13, 14, 15 - Minor formatting changes to comply with the "Safe Work Australia Preparation of Safety Data Sheets for Hazardous Chemical Code of Practice July 2020" and GHS7.

Abbreviations:

ADG: Australian Dangerous Goods Code
APVMA: Australian pesticides and Veterinary Medicines Authority
CLP: Classification, Labelling and Packaging
EC_{50}: Effective concentration 50%
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
IATA: International Air Transport Association
IMDG: International Maritime Dangerous Goods
LC_{50}: Lethal concentration 50%
LD_{50}: 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

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.