

SAFETY DATA SHEET

METAREX®

Date of Issue: 3 March 2014
Replaces SDS – ES353 issued 3 March 2014

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

Chemical name of active ingredient(s): Metaldehyde

Recommended use: Molluscicide

Supplier: Etec Crop Solutions Limited
31 Tamaki Bay Drive
Pakuranga, Auckland
Phone 0800 100 325

Emergency telephone number: 0800 Poison (0800 764 766) 24 Hours

2. HAZARDS IDENTIFICATION

Hazard Classification: 6.1D, 6.8B, 6.9B, 9.1C, 9.3C

Required identification Details: **HARMFUL** - may be harmful if swallowed, inhaled or absorbed through the skin.
HARMFUL - from repeated oral exposure, may cause reproductive/developmental damage, and is presumed to cause internal organ damage at high doses.
HARMFUL to aquatic life with long-lasting effects. Avoid contamination of any water supply with product or empty container.
HARMFUL to terrestrial vertebrates including cats and dogs.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation Information on hazardous ingredients

Common name	CAS No	%
Metaldehyde	108-62-3	5%

4. FIRST-AID MEASURES

Description of necessary first aid measures: Provide washing facilities in the workplace

Effects and symptoms

First-aid measures

Inhalation:	Harmful if inhaled. Remove victim from area of exposure. Seek medical advice if effects persist.
Ingestion:	Harmful if swallowed. Consult a physician and show him the package or label.
Skin contact:	Avoid skin contact. Wash hands, face and exposed skin before meals and after work. Remove contaminated clothing and wash skin thoroughly with soap and water.
Eye contact:	Immediately flush eyes with water for 15 minutes. Seek medical advice.
Notes to a physician:	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

HAZCHEM Code:	3X
Extinguishing media :	Dry powder or foam. Avoid, if possible, using a water spray fire extinguisher if there is a risk of polluting sewers and ground water.
Hazardous thermal (de)composition products:	On burning may emit toxic fumes.
Protection of fire-fighters:	Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Wear Gloves when handling the Granules.
Environmental precautions:	Prevent spillage into drains and waterways
Methods for cleaning up:	<p>Small Spill: Wear protective clothing to prevent skin and eye contact. Collect and seal in properly labelled containers for disposal or re-use.</p> <p>Large Spill: Wear protective clothing to prevent skin and eye contact. Cover with damp absorbent (inert material, sand or soil.) Sweep or vacuum up, but avoid generating dust. Collect and seal in properly labelled containers, bags or drums for disposal or re-use. If contamination of crops or waterways has occurred advise emergency services or State Department of Agriculture.</p> <p>Dispose of packaging carefully. Shake bag empty into application equipment.</p> <p>DO NOT dispose of unused product on site. Puncture or shred and bury empty bags in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose, clear of waterways desirable vegetation and tree roots. Empty containers and products should not be burnt.</p> <p>Observe government regulations.</p>

7. HANDLING AND STORAGE

Handling:*Handling Precautions*

Harmful if swallowed. Harmful if inhaled. Do not inhale dust. Wash hands after use. When opening the container, preparing product for use (loading) and if applying by hand, wear cotton overalls buttoned to the 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.

Other Precautions:

Do not use human flaggers/markers unless they are protected by engineering controls such as enclosed cabs. 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.

Storage:**Packaging materials:**

Multiwall Paper bags

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Workplace Exposure Guidelines****Workplace exposure standards:**

TEL: Not Set
EEL: Not Set
None Set

Exposure Standards outside:**The workplace:****Engineering measures****Exposure control measures:**

Use in well ventilated areas. Keep containers closed when not in use.

Personal Protective Equipment**Detail specifications for equipment:****Respiratory system:****Skin and body:**

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

Hands:**Eyes:****General hygiene:**

Wear eye protection if dust has been generated
After each day's use, wash gloves and contaminated clothing.
Wash skin thoroughly with soap and water.

9. PHYSICAL AND CHEMICAL PROPERTIES**Physical State, odour & colour:**

Green Pellets with no distinguishing odour.

pH: active ingredient

5.86

Vapour Pressure: active ingredient

6.6 X 10³ mPa (25°C)

Boiling Point: active ingredient

112 - 115 °C

Freezing/melting point:

N/A

Solubility: active ingredient

222 mg/litre @ 20°C

Specific gravity or density:

0.834 g/cm³

Flashpoint:

Not Flammable

Octanol/water partition coefficient:

K_{ow} Log P = 0.12

Explosion properties:

Not Explosive

10. STABILITY AND REACTIVITY

Stability:	Product is stable for at least 2 years under ambient storage conditions.
Conditions to avoid: Materials to avoid:	Heat and Moisture
Hazardous decomposition Products: Hazardous polymerization: Specific Data: Hazardous reactions :	May produce toxic gasses in a fire. Not subject to polymerization Not reactive

11. TOXICOLOGICAL INFORMATION

Acute toxicity – Oral :	LD ₅₀ Oral (ingestion) Rat = > 2000 mg/kg
Acute toxicity - Dermal :	LD ₅₀ Dermal (skin contact) Rat > 2000 mg/kg
Acute toxicity – Inhalation:	
Active ingredient only	LC ₅₀ (4h) Rats >15mg/litre of air
Skin irritation :	Not a skin irritant
Eye irritation:	Not an eye irritant
Sensitization :	Not a sensitizer
Chronic toxicity	
Carcinogenicity:	Not carcinogenic.
Mutagenicity:	No data available
Reproduction toxicity:	Suspected Reproductive toxin
Other information :	Target Organ Toxin.

12. ECOLOGICAL INFORMATION

Ecotoxicity – Active ingredient pure	
Birds	LD ₅₀ Oral Quail 170 mg/kg. Dietary LD ₅₀ (8day) 3460 ppm
Fish	LC ₅₀ (96h) Rainbow Trout 75mg/litre
Daphnia	EC ₅₀ (48h) >90 mg/litre
Algae	EC ₅₀ (96h) 73.5 mg/litre
Bees	ED ₅₀ oral >87µg / bee

13. DISPOSAL CONSIDERATIONS

Methods of disposal :	See 6 above. Dispose of packaging carefully. Shake bag empty into application equipment. DO NOT dispose of unused product on site. Puncture or shred and bury empty bags in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose, clear of waterways desirable vegetation and tree roots. Empty containers and products should not be burnt.
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14. TRANSPORT INFORMATION - International transport regulations

UN number:	N.A.
Class or Division:	Not classified
Sub Class:	N.A.
Packing Group:	N.A.
Marine Pollutant:	Not a Marine Pollutant
Proper shipping name :	N.A.

Other Information:

15. REGULATORY INFORMATION

ACVM Registered Number:	P7708
HSNO Approval Code:	HSR 007794

16. OTHER INFORMATION

Additional information:	Original Issue Date: 6 th August 2007
	Revision Date: 2 April 2019
	Replaces: ES353

Disclaimer

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