

SAFETY DATA SHEET

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

Section 1. Identification of the material and the supplier

Product: **SlugX**
Product Use: Organic Molluscicide
Restriction of Use: Refer to Section 15

New Zealand Supplier: **Waikaitu Limited**
Address: 303 Aporo Road
Tasman
7173
Website: www.waikaitu.com

Telephone: +64 3 970 0302
Emergency No: **0800 764 766 (National Poison Centre)**

Date of SDS Preparation: 31.01.2024

Section 2. Hazards Identification

Classification of the Hazardous Chemical

Hazardous substance according to Hazardous Substances and New Organisms (HSNO) Act 1996
HSNO Substance Approval: HSR002503
Classifications: Acute inhalation toxicity Category 4, Skin Irritation Category 2, Eye Irritation Category 2

Label elements:

Pictograms:



Signal Word: **WARNING**

Hazard statements:

H135 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.

Additional labelling statements required under Hazardous Substances (Labelling) Notice 2020

Precautionary statements:

Prevention

P102 Keep out of reach of children.
P103 Read label before use.

Product Name: SlugX
Date of SDS: 31.01.24

Prepared by: Waikaitu Limited
Tel: 03 970 0302 www.waikaitu.co.nz

P261	Avoid breathing mist/vapours/spray.
P264	Wash hands and exposed skin thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves and eye/face protection.
<i>Response</i>	
P101	If medical advice is needed, have product container or label at hand.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash before reuse.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P312	Call a POISON CENTRE or doctor/physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists get medical advice/attention.
P391	Collect spillage.
<i>Storage</i>	
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<i>Disposal</i>	
P501	Dispose of contents/container in accordance with local regulations.

Section 3. Composition / Information on Hazardous Ingredients

Name: Molluscicide containing glycosides for use as a ready to use biocide.

Ingredients	CAS	Proportion % w/w
Glycosides	Trade Secret	10-30
Non-hazardous ingredients	N/A	70-90

Section 4. First Aid Measures

For advice call the National Poison Centre, telephone 0800 POISON [0800 764 766]. Have label or product container or label at hand.

If in Eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention

If on Skin

Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention.

If Swallowed

Rinse mouth. Call a POISON CENTRE or doctor if you feel unwell.

If Inhaled

Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor/physician if you feel unwell.

Most important symptoms and effects, both acute and delayed

Symptoms: Skin and eye irritant.

Section 5. Fire Fighting Measures

This substance is not flammable and will not burn. The substance should not present any adverse risk to fire fighters.

Hazard Type	Non-Flammable
Special hazards arising	Carbon oxides
Suitable Extinguishing media	Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.
Precautions for firefighters and special protective clothing	Wear self-contained breathing apparatus for firefighting if necessary.
HAZCHEM CODE	None Allocated

Section 6. Accidental Release Measures

Wear protective gear as detailed in Section 8. Evacuate all unnecessary personnel.

Prevent spillage from entering drains or waterways. If contamination of drains, streams, watercourses, etc. is unavoidable, warn the local water authority.

Contain spilled material. For small liquid spills, use absorbent material such as sand, soil, vermiculite and recover into labelled drums that can be sealed for safe disposal. For large liquid spills, recover liquid into labelled containers then absorb remaining liquid and transfer to drums for disposal. Clean area with water and detergent.

Section 7. Handling and Storage**Precautions for Handling:**

- Keep out of reach of children.
- Wear appropriate personal protective equipment (see Section 8).
- Avoid contact with used product. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
- Workers should wash hands and face before eating, drinking and smoking.
- Avoid beathing mist/vapours/spray.

Precautions for Storage:

- Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink.
- Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.
- Do not store in unlabeled containers.

Section 8. Exposure Controls / Personal Protection**WORKPLACE EXPOSURE STANDARDS (provided for guidance only)**

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

No ingredients have 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 NOV 2017 9TH EDITION.

Engineering Controls

Use outdoors or in a well-ventilated area.

Personal Protection Equipment

Eyes	Protective goggles or face shield should be used when there is a likelihood of exposure. Not required under normal conditions of use.
Hands	Use chemical resistant gloves appropriate for work or task being performed. Recommended: Disposable nitrile gloves.
Skin	Wear protective coveralls and boots.
Respiratory	Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Where product is being sprayed and a mist could be produced a respirator should be worn. It should be fitted with a cartridge, suitable for solvents/agricultural chemicals rated to AS/NZS 1715.
Hygiene	Wash hands and exposed skin thoroughly after handling and before rest or meal breaks.

Section 9. Physical and Chemical Properties

Appearance	Dark brown semi-opaque liquid
Odour	Fruity
Odour Threshold	No data
pH	4.4 ± 0.1 @ 20°C
Boiling Point	No data
Melting Point	224°C
Initial boiling point	No data
Freezing Point	No data
Flash Point	No data
Flammability	No data
Upper and Lower Explosive Limits	No data
Vapour Pressure	No data
Vapour Density	No data
Specific Gravity	1.14 @ 20°C
Solubility	Soluble in water
Partition Coefficient:	No data
Auto-ignition Temperature	No data
Decomposition Temperature	No data
Kinematic Viscosity	No data
Particle Characteristics	No data

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions of storage and use.
Conditions to Avoid	None known.
Incompatible Materials	Oxidizing materials and acids.
Hazardous Decomposition Products	Carbon dioxides

Section 11. Toxicological Information

Acute toxicity: SlugX is classified under HSNO as 6.1D (acute toxicant) Acute inhalation toxicity Category 4: 3.88 mg/L (mixture rules).

Skin corrosion /irritation: SlugX is classified under HSNO as Skin Irritant Category 2

Serious eye damage /irritation: SlugX is classified under HSNO as Eye irritant Category 2

Respiratory/skin sensitization	Not classified
Carcinogenicity	No ingredients in product identified as carcinogenic
Reproductive Toxicity	No ingredients in product identified reproductive toxicants
Germ Cell Mutagenicity	No ingredients in product identified as germ cell mutagenic
Aspiration hazard	No ingredients in product identified as aspiration hazard
STOT RE/SE	No ingredients in product identified as systemic target organ toxicants
Potential health effects:	None expected.

Section 12. Ecotoxicological Information

Ecotoxicity:	Not classified as ecotoxic.
Aquatic ecotoxicity:	Not classified as an Aquatic Toxicant.
Soil Toxicity:	Short half-life in soil. Readily degraded by micro-organisms. Saponins are completely degraded to carbon dioxide and water within 5 days.
Terrestrial vertebrates:	Not classified.
Terrestrial invertebrates:	Not persistent in the environment and has negligible effects on non-target insects.

Section 13. Disposal Considerations

Product Disposal

If possible, dispose of by using according to the label. Otherwise dispose of to an approved landfill in accordance with local regulations.

Container Disposal

Do not use packaging for storage of other products. Empty packaging should be triple rinsed and disposed of to an approved recycler or crushed and sent to approved landfill.

Section 14. Transport Information

DG Classification:	This product is not classified as Dangerous Goods for transport in accordance with the Land Transport Rule Dangerous Goods 2005/ NZS 5433:2007.
UN Number:	Not applicable
Hazchem Code:	Not applicable
Marine pollutant:	Not applicable

Section 15. Regulatory Information

HSNO Act 1996

Hazardous substance according to Hazardous Substances (Hazard Classification) Notice 2020.

Approval number: HSR100516. Refer to controls on www.epa.govt.nz for complete wording for variation Controls.

Tolerable exposure limits: No TEL set
Environmental exposure limits: No EEL set

International agreements: Not applicable
Certified Handler certificate: Not applicable
Location Certificate: Not applicable
Tracking (Schedule 26): Not applicable

International agreements	Not applicable
Workplace exposure limits:	Not applicable
<u>ACVM Act 1997</u>	Not registered.

Section 16.	Other Information
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Glossary

HSNO:	Hazardous substances and New Organisms Act 1996 (HSNO Act)
NZS:	New Zealand Standard
EPA New Zealand:	Environmental Protection Authority of New Zealand
CAS Number:	Chemical Abstracts Service Number
LD50:	Lethal Dose 50% (population).

References:

1. Consolidated Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

This MSDS summarises the company's best knowledge of the health and safety hazard information of the product and how to safely handle the product during manufacture and use. The data does not signify any warranty with regard to the products properties.

The information herein is given in good faith, but no warranty, express or implied, is made.

Please contact the New Zealand distributor, if further information is required.

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