

SAFETY DATA SHEET: Delicia® SLUGGOFF® Lentils

1. IDENTIFICATION

Product Name: Delicia® SLUGGOFF® Lentils
Other names: -
Use: For the control of snails and slugs
Supplier: Key Industries Ltd
Address: P.O. Box 65070, Mairangi Bay, Auckland 0754
Telephone: 09 917 1791
Emergency Phone: 027 494 1659
National Poisons Centre: 0800 POISON (0800 764 766)

2. HAZARD IDENTIFICATION

Product is classified as hazardous according to Hazardous Substances (Classification) Notice 2017 of the HSNO Act, 1996.

HSNO Approval: HSR100565
Hazard Classifications: 6.8B, 6.9B, 9.1C, 9.3C
Pictograms:



Signal word: WARNING

Hazard Statements:

H361 Suspected of damaging fertility or the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.
H412 Harmful to aquatic life.
H433 Harmful to terrestrial invertebrates

Prevention Statements:

P103 Read label before use.
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe dust.
P273 Avoid release to the environment.
P281 Use personal protective equipment as required.

Response Statements:

P308 + P313 If exposed or concerned: Get medical advice.
P314 Get medical advice if you feel unwell.

Storage Statements:

P405 Store locked up.

Disposal Statements:

P501 Dispose of product and containers in accordance with local regulations.

3. COMPOSITION: INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Concentration (%w/w)
Metaldehyde	108-62-3	3
Other ingredients determined to be non-hazardous	Trade secret	97

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Frank Visser, Managing Director: 0274 941 659

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4. FIRST AID MEASURES

Consult the National Poisons Information Centre 0800 POISON (0800 764 766) or a doctor in every case of suspected chemical poisoning or if person exposed or concerned. Have product label or Safety Data Sheet at hand.

INGESTION: Do not induce vomiting. Rinse mouth. Call POISON CENTRE or doctor for advice.

SKIN CONTACT: Wash with soap and water. If irritation persists, obtain medical advice.

EYE CONTACT: Flush with running water for at least 15 minutes. Remove contact lenses if present, and easy to do after 5 minutes before continuing rinsing. If irritation persists, obtain medical assistance.

INHALATION: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If person is experiencing respiratory problems, get medical advice.

First Aid facilities: Provide eye baths and safety showers close to areas where exposure may occur.

Advice to Doctor: Treat symptomatically. Onset of symptoms may be delayed for several hours. Consider gastric lavage after intubation and administration of activated charcoal and a saline cathartic.

5. FIRE-FIGHTING MEASURES

Flashpoint: Non-flammable solid.

Suitable extinguishing media: Alcohol resistant foam, carbon dioxide or water fog. Contain runoff.

Hazards from combustion products: Thermal decomposition may produce toxic/harmful compounds.

Precautions for fire fighters and special protective equipment: Self-contained breathing apparatus with full face-piece and protective clothing. Cool fire exposed containers with water spray.

Hazchem Code: -

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

Wear appropriate personal protection equipment to prevent skin and eye exposure.

Wear approved respirator where dust of an unknown concentration may be generated. Self-contained breathing apparatus is recommended for large spillages.

Methods and materials for containment

In the event of a spill, isolate area and take all practicable steps to prevent product from entering streams and waterways. Collect up spilt material into labelled container for recovery or disposal. Clean up and report spills immediately. In event of spillage contaminating a watercourse, notify the Police, local Health Protection Officer and Council.

7. HANDLING AND STORAGE

Precautions for safe handling: Keep out of reach of children. Do not breathe dust. Avoid contact with skin or eyes. Wear rubber gloves. Observe good personal hygiene practices. Wash hands thoroughly with soap and water after handling. Follow label instructions. Do not apply bait in heaps. Apply only in inhabited areas if children, poultry and domestic animals can be prevented from contact with bait.

Conditions for safe storage: Keep out of reach of children. Store locked up, out of direct sunlight in a well-ventilated area, and away from sources of ignition, food or animal feedstuffs, fertilizers and domestic animals. Avoid contamination of and with other products.

Incompatible materials: Not specified.

Other: Changing out of work clothing and showering recommended at the end of each work shift. Wash work clothes separately from other household clothing.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Health Exposure Standards: No Workplace Exposure Standard (WES), has been set by Worksafe for any ingredient in this substance.

Biological limit values: None established

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Engineering Controls:

Ventilation: Use in well-ventilated area.

Personal Protective Equipment:

Respiratory Protection: Respiratory protection may be necessary under certain use conditions, e.g. confined space. Under such conditions, an approved respirator with a particulate dust filter according to local standards, should be worn.

Eye Protection: Where there is risk of dust, wear safety goggles to avoid contact with eyes.

Skin/ Body Protection: Wear gloves, e.g. rubber. After each day's use wash gloves and contaminated clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Green 2-4 mm lentils
Odour	Slight organic odour
Odour threshold	Not determined
pH	5.3
Melting/Freezing point °C	Not determined
Boiling Point/Range °C	Not applicable
Flash Point °C	Not flammable.
Flammability (solid, gas)	Not applicable
Upper/lower flammability limits	Not determined
Vapour Pressure mm Hg @ 20°C	Not determined
Vapour Density kPa @ 20°C	Not determined
Bulk density	0.65 – 0.68 g/ml
Solubilities	Nearly insoluble in water
Partition coefficient: n-octanol/water	Not determined
Autoignition Temperature °C	Not determined
Decomposition Temperature °C	Not determined
Kinematic viscosity	Not determined

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions.

Conditions to avoid: Not specified.

Incompatible materials: No information available.

Hazardous decomposition products: Thermal decomposition may produce toxic or harmful compounds. Acetaldehyde is degradation compound.

Hazardous reactions: None specified.

11. TOXICOLOGICAL INFORMATION

Toxicity classifications determined by assessment of the components in the formulated mixture.

Acute toxicity: Not classified as being acutely toxic.

Aspiration hazard: Not classified as an aspiration hazard.

Respiratory irritation: Dust may be irritating to the upper respiratory tract.

Skin corrosion/irritation: Not classified as skin irritant.

Serious eye damage/irritation: Not classified as an eye irritant.

Respiratory or skin sensitization: Not classified as either a respiratory or contact sensitizer.

Germ cell mutagenicity: Not classified.

Carcinogenicity: Not classified.

Reproductive toxicity: Metaldehyde identified as a suspected human reproductive or developmental toxicant.

Specific organ toxicity: Metaldehyde identified as a suspected of causing adverse effects to liver.

Narcotic effects: Not classified.

Toxicological Information:

Metaldehyde Oral, guinea pig LD₅₀ 175 mg/kg

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Dermal, rat LD₅₀ 2275 mg/kg
Inhalation, rat LC₅₀ 0.203 mg/L

12. ECOLOGICAL INFORMATION

Ecotoxicity: This mixture is classified as harmful to aquatic life and to terrestrial vertebrates. Do not contaminate waterways, sewers, or drains when disposing of product or packaging.

Persistence and degradability: Metaldehyde is expected to rapidly degrade to acetaldehyde and to not be very persistent.

Potential to be bioaccumulative: Metaldehyde is not expected to bioaccumulate.

Mobility in soil: Product has limited solubility in water.

Other adverse effects: No information available

Ecotoxicological Information:

Metaldehyde - Rainbow trout LC₅₀ (96 hr) 69 mg/L
- *Daphnia* sp EC₅₀ (48 hr) >77.66 mg/L
- Japanese quail LD₅₀ 181 mg/kg

Environmental Exposure Limits (EEL's): Not set.

13. DISPOSAL CONSIDERATIONS

Disposal Methods: Crush and dispose of empty containers. Containers may contain residue. Do NOT use for storage of other products.

Waste resulting from use may be disposed of to an approved waste disposal facility. If facility unavailable, bury at least 500 mm below soil level in disposal pit specially marked for this purpose, that is clear of waterways, desirable vegetation and roots. Dispose in accordance with all local and national regulations.

14. TRANSPORT INFORMATION

Road and Rail Transport		Marine Transport		Air Transport	
UN No.	Not regulated	UN No.	Not regulated	UN No.	Not regulated
Proper Shipping Name		Proper Shipping Name		Proper Shipping Name	
DG Class		DG Class		DG Class	
Sub. Risk		Sub. Risk		Sub. Risk	
Pack Group		Pack Group		Pack Group	
Hazchem		Hazchem			

Dangerous Goods Segregation

This product is classified as non-Dangerous Good for Transport.

Please consult the Land Transport Rule: Dangerous Goods 2005, and NZS 5433:2012 Transport of Dangerous Goods on Land for information.

15. REGULATORY INFORMATION

HSNO Act 1996

Approval Code: HSR100565

Substance name: Delicia SLUGGOFF lentils

Classifications: 6.8B, 6.9B, 9.1C, 9.3C

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HSNO Controls: Refer to www.epa.govt.nz and www.worksafe.govt.nz for information on Default Controls and HS Notices.
Additional HSNO Controls have been assigned specific to this substance.

Regulation: 77A

Variation:

Maximum application rate 0.186 kg ai/ha

Bait to be coloured blue or green.

A repellent (bittering agent) to be included.

ACVM Act 1997

Registration Number: P8458

Refer to www.foodsafety.govt.nz

16. OTHER INFORMATION

Date of Issue: 22nd January 2020

Reasons for Issue: Review and amend SDS format and product information.

Replaces: SDS dated 22nd January 2017

Abbreviations:

ai	active ingredient
EPA	New Zealand Environmental Protection Authority
GHS	Global Harmonised System
ha	hectare
HSIS	Hazardous Substance Information System
HSNO	Hazardous Substances and New Organisms
kg	kilogram
NZIoC	New Zealand Inventory of Chemicals
STEL	Short Term Exposure Limit (15 minute exposure period)
TWA	Time-Weighted Average (8 hours exposure period)
WES	Workplace Exposure Standard

References:

EPA www.epa.govt.nz

New Zealand Food Safety Authority www.foodsafety.govt.nz

Supplier Safety Data Sheets

Other:

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

End of safety data sheet

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the supplier's knowledge. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses, but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact Key Industries Limited.

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Date for Revision: January 2025