

SAFETY DATA SHEET: EcoBird® 14.5

1. IDENTIFICATION

Product Name: EcoBird® 14.5
Other names: -
Use: Bird repellent
Supplier: Key Industries Ltd
Address: P.O. Box 65070, Mairangi Bay, Auckland 0754
Telephone: 09 917 1791
Emergency Phone: 0800 CHEMCALL (0800 243 622) 24 hours
National Poisons Centre: 0800 POISON (0800 764 766)

2. HAZARD IDENTIFICATION

Product is classified as hazardous according to Hazardous Substances (Hazard Classification) Notice 2020 of the HSNO Act, 1996.

HSNO Approval: HSR101523
Hazard Classifications: Skin irritation Category 2., Eye irritation, Category 2; Skin sensitization Category 1; Hazardous to the aquatic environment chronic Category 2; Hazardous to soil organisms.

Pictograms:



Signal word: WARNING

Hazard Statements:

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
P319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.
Hazardous to the soil environment.

Prevention Statements:

P103 Read label before use.
P261 Avoid breathing mist/vapours/spray.
P264 Wash hands and any exposed skin thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves and eye protection.

Response Statements:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P333 + P313 If skin irritation or rash occurs: Get medical advice.
P363 Wash contaminated clothing before reuse.
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.
P391 Collect spillage.

Storage Statements:

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Disposal Statements:

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

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3. COMPOSITION: INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Concentration (%w/w)
Methyl anthranilate*	134-20-3	14.5
D'limonene	5989-27-5	1 – 5
Other ingredients	Trade secret	To balance

*other chemical name methyl 2-aminobenzoate

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 the person feels unwell. Have product label or Safety Data Sheet at hand.

INGESTION: Do NOT induce vomiting. Rinse mouth. Call a POISON CENTRE or doctor for advice if the person feels unwell.

SKIN CONTACT: Wash with soap and water. If irritation or rash occurs, 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, get medical advice.

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.

5. FIRE-FIGHTING MEASURES

Flashpoint: Non-flammable.

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

Hazards from combustion products: Thermal decomposition may produce toxic/harmful compounds including oxides of carbon, and nitrogen, and acetic acid...

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: 3Z

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

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

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. Contain spillage. Collect up spill 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. Read label before use. Avoid contact with skin or eyes. Observe good personal hygiene practices and recommended procedures including wearing of personal protection equipment. Wash hands thoroughly with soap and water after handling.

Conditions for safe storage: Keep out of reach of children. Store securely and out of direct sunlight in a well-ventilated area, and away from food or animal feedstuffs. 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: A Workplace Exposure Standard (WES), has not been set by Worksafe (ed. 13, April, 2022) for this substance.

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Biological limit values: None established

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 filter according to local standards, should be worn.

Eye Protection: Wear safety goggles to avoid contact with eyes.

Skin/ Body Protection: Wear gloves, e.g. rubber or equivalent) and overalls.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear purple blue liquid
Odour	Slight grape like
Odour threshold	Not determined
pH	5.0 – 6.0
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
Relative density	1.00 - 1.02
Solubilities	Disperses in water
Partition coefficient: n-octanol/water	Not determined
Autoignition Temperature °C	Not determined
Decomposition Temperature °C	Not determined
Kinematic viscosity	Not determined
Particle characteristics	Not applicable

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions.

Conditions to avoid: Exposure to sunlight or sources of ignition.

Incompatible materials: Oxidizing compounds.

Hazardous decomposition products: Thermal decomposition may produce toxic or harmful compounds including acetic acid, oxides of carbon and nitrogen.

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: Not classified.

Skin corrosion/irritation: Classified as skin irritant.

Serious eye damage/irritation: Classified as a severe eye irritant.

Respiratory or skin sensitization: Not classified as a respiratory sensitizer. Product contains d'limonene that is a confirmed contact sensitizer.

Germ cell mutagenicity: Not classified.

Carcinogenicity: Not classified.

Reproductive toxicity: Not classified.

Specific organ toxicity: Not classified.

Narcotic effects: Not classified.

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Toxicological Information: Not available.

12. ECOLOGICAL INFORMATION

Ecotoxicity: This mixture is classified as toxic to aquatic life with long lasting effects, and as harmful in the soil environment. Do not contaminate waterways, sewers, or drains when disposing of product or packaging.

Persistence and degradability: Expected to rapidly degrade.

Potential to be bioaccumulative: Not expected to bioaccumulate.

Mobility in soil: Product disperses in water. Limited solubility.

Other adverse effects: No information available

Ecotoxicological Information: Not available.

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. Dispose in accordance with all local and national regulations.

14. TRANSPORT INFORMATION

Road and Rail Transport		Marine Transport		Air Transport	
UN No.	3082	UN No.	3082	UN No.	3082
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS D'LIMONENE)	Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS D'LIMONENE)	Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS D'LIMONENE)
DG Class	9	DG Class	9	DG Class	9
Sub. Risk	-	Sub. Risk	-	Sub. Risk	-
Pack Group	III	Pack Group	III	Pack Group	III
Hazchem	3Z	Hazchem	3Z		

Dangerous Goods Segregation

This product is classified as a Dangerous Good Class 9 for Transport.

Please consult the Land Transport Rule: Dangerous Goods 2005, and NZS 5433:2020 Transport of Dangerous Goods on Land for information.

15. REGULATORY INFORMATION

HSNO Act 1996

Approval Code: HSR101523

HSNO Controls: Refer to www.epa.govt.nz and www.worksafe.govt.nz for information on Default Controls and HS Notices.

Safety Data Sheet:	Any quantity
Restricted to workplace only:	No
Quantity that requires management in accordance with HSW HS Regulations:	1000 kg
Quantity for secondary containment and emergency response plan:	>1000 kg
Quantity for signage:	>1000 kg
Record of use if more than 3 kg applied to area within 24 hour period	No
Qualified handler required	No
Restricted to workplaces only	No
Location compliance certificate	No
Tracking	No

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Application rate	Section 77 variation to HPC Notice clause 50	The following maximum application and frequency rates, and minimum interval periods that have been set for Bird repellent 14.5: <ul style="list-style-type: none"> • The maximum application rate for Bird repellent 14.5 is 6.9 kg methyl anthranilate/ha (equating to 45 kg Bird repellent 14.5/ha), with a maximum frequency of 12 applications per year and a minimum interval of seven days. • When applied to new seedlings, the maximum application rate for Bird repellent 14.5 is 6.9 kg methyl anthranilate/ha (equating to 45 kg Bird repellent 14.5/ha), with a maximum frequency of 12 applications per year and a minimum interval of five days.
Label	Section 77 variation to the Labelling Notice	The label must include information on the use restrictions. The information about the maximum application rate and frequency and minimum application interval must be included on the label, according to clause 25 of the EPA Labelling Notice 2017. The substance label must include the following statement (or words to this effect) when supplied to the domestic market – <ul style="list-style-type: none"> • All people and pets must be kept away from the area while it is being sprayed. Do not allow anyone, especially children and toddlers, onto the sprayed area until the spray has dried. • The use of gloves is recommended when using this product. • The use of protective eye wear is recommended when using this product.
Use	Section 77A	This substance must be used by ground-based methods only. The substance must not be applied when wind speeds are less than 3 km/hr or more than 20 km/hr as measured at the application site.

ACVM Act 1997

Registration Number: Not applicable (exempt product)

Refer to www.foodsafety.govt.nz

16. OTHER INFORMATION

Date of Issue: 18th October 2023
Reasons for Issue: Review of SDS content.
Replaces: 26th July 2022.

Abbreviations:

EPA New Zealand Environmental Protection Authority
GHS Global Harmonised System
HSIS Hazardous Substance Information System
HSNO Hazardous Substances and New Organisms
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:

EcoBird® is a trademark of Roth Chemical Company Ltd

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

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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.