

**WARNING**  
Keep out of reach of children  
Read label before use

**ECOBIRD® 4.0**

**B I R D   R E P E L L E N T**

ecological • economical • econtrol



**FOR COMMERCIAL, AGRICULTURAL AND HOME USE**

To be used around Agricultural Crops ( Berries, Apples, Stone fruit, Kiwifruit, Cereal Grains, Sunflowers and Pasture, and Non-Agricultural sites including turf, Hydroseeding, Rubbish collection areas or dumps, Food Stuffs, and Spot Repelling.

**ACTIVE INGREDIENT:**

Methyl Anthranilate (MA), methyl 2-Aminobenzoate at 395 g/L

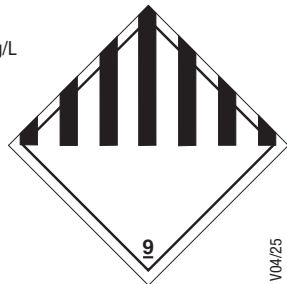
**3.78L**



Manufactured by: Roth Chemical Company, Ltd.  
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V04/25

# ECOBIRD® 4.0

## B I R D R E P E L L E N T

PEEL HERE

**Read label before use. Do not handle until all safety precautions have been read and understood.**

### TOXICITY

Skin irritation Category 2.

### ECOTOXICITY

TOXIC TO AQUATIC LIFE chronic Category 2 and with long-lasting effects. Avoid release to the environment.

**DO NOT** contaminate any water supply with chemical or empty container. **DO NOT** apply directly into or onto water. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

### PRECAUTIONS

Avoid contact with skin, eyes or clothing. Wash hands and exposed skin thoroughly with soap and water after handling and before eating, drinking, or rest breaks.

### PERSONAL PROTECTION

When handling wear eye protection, chemical resistant gloves (e.g. PVC or neoprene), appropriate enclosed footwear, and protective clothing. Wash contaminated clothing separately before reuse.

**STORAGE:** Store only in original container, in a dry place inaccessible to children, pets and domestic animals. Store apart from pesticides, fertilizers, food or feed that may cause cross-contamination from odour. Keep container closed when not in use. Storage of 1000L or more requires secondary containment, emergency response plan and signage.

**PRODUCT DISPOSAL:** To avoid waste, use all material in the container by applying according to the label instructions. If waste cannot be avoided, dispose of product with an approved waste disposal company.

**CONTAINER DISPOSAL:** Non refillable container. Do not reuse or refill this container. Triple rinse empty container and add rinsate to spray mix. Dispose of triple rinsed container through an approved recovery scheme e.g. Agrecovery, if available. Otherwise, crush or puncture and dispose of at a suitably approved landfill.

**SPILLAGE:** Exclude all bystanders, prevent material entering waterways and coming into contact with other products. Wear appropriate protective clothing to clean up spills. Absorb spills with an inert (such as vermiculite, earth, sand or synthetic absorbent substance) material and place in waste containers. Dispose of waste with an approved waste disposal company.

### FIRST AID

If medical advice is needed, have product container or label at hand. Consult the National Poisons Centre 0800 POISON (0800 764 766) or a doctor in every case of suspected chemical poisoning or if person feels unwell.

**INGESTION:** If swallowed do not induce vomiting. Rinse mouth. Call POISON CENTRE or doctor for advice.

**SKIN CONTACT:** Wash with soap and water. If irritation persists, get 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. If breathing has stopped, begin artificial respiration. Use mouth-to-nose rather than mouth-to-mouth.

### NOTE

**Important:** You **must** read the warning and conditions given on this label. If they are not acceptable, or if you are in doubt as to the proper handling of this product (including its transport, storage, use, disposal, and requirements for handling) then return the unopened product to the supplier at once.

**Warranty:** Roth Chemical Co. Ltd. does not make, nor does it authorize any agent and/or representative to make any oral or written warranty, guarantee, or representation, express or implied, concerning this material or the use thereof beyond the statements of the product label and product SDS. Neither Roth Chemical Co. Ltd, nor the seller, shall be held responsible in any manner for any claim or personal injury and/or property damage and/or loss resulting from the incorrect handling, storage, and/or use of this material.

**Warning:** This product is subject to controls and could be hazardous if handled incorrectly. The **user is responsible** for ensuring that the handling of this product is in accordance with the law (including the **Hazardous Substances and New Organisms Act 1996**) and with the directions provided. Key Industries Limited declines all liability whether in contract, tort (including but not limited to negligence), (or otherwise), to the maximum extent permitted by law in relation to the handling of this product in a manner which is contrary to the directions given or to any applicable Acts, Regulations or Guidelines.

**Further information** regarding the applicable Acts, Regulations and Guidelines for the proper handling of this product may be obtained by contacting EPA New Zealand ([www.epa.govt.nz](http://www.epa.govt.nz)).

Approved Pursuant to the HSNO Act 1996, Approval Code HSR100438

See [www.epa.govt.nz](http://www.epa.govt.nz) for information on Controls.

MPI approved type C101-95 (all animal products except dairy)

MPI approved for use in dairy processing.

**UN Number: UN3082, SHIPPING NAME: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (METHYL ANTHRANILATE).**

**DG Class: 9**

**Packing Group: III**

**Hazchem: Z2**



**AGRECOVERY**

[www.agrecovery.co.nz](http://www.agrecovery.co.nz)

Batch No:

**DOM:**

## **DIRECTIONS FOR USE**

### **NON-FOGGING APPLICATIONS LANDFILLS AND NON-FISH BEARING BODIES OF WATER**

#### **USE RESTRICTIONS:**

Use this product in areas to repel birds that congregate in large numbers, including these passerine birds: starlings (*Sturnus vulgaris*), Indian mynas (*Acridotheres tristis*), gulls (subfamily *Larinae*), doves and domestic pigeons (*Columba livia domestica*), welcome swallow (*Hirundo neoxena*), house sparrow (*Passer domesticus*), as well as wild waterfowl such as Canada geese (*Anserinae*) and ducks (*Anatidae*). These listed birds are reservoirs or vectors for human disease-causing agents, bacterial, parasitic, fungal, and ectoparasitic pathogens that can be transmitted to humans and may present a health risk to humans and domestic poultry. Areas where the above types of wild birds or their droppings and humans or domestic birds come in close contact pose a risk to human health and in these settings, birds are considered pests.

Use this product to repel birds from landfills; non-fish bearing bodies of water (tailing ponds, commercial or industrial water impoundments); and temporary pools of standing water located at or near airports. This product can also be used in non-crop areas that contain temporary surface water caused by the management activities, such as water collected in equipment ruts. EcoBird 4.0 Bird Repellent can also be applied near intermittently flooded low-lying areas, transitional areas between upland and lowland sites, marshes, swamps, bogs, and seasonally dry flood plains and/or deltas provided no water is present or water has receded where birds are a hazard or nuisance. However, this product cannot be applied in these areas when non-target birds, or native birds, threatened or endangered birds may be present. Do not apply directly to water; such as lakes, reservoirs, ponds, streams and canals.

#### **APPLICATION DIRECTIONS**

When spraying, a maximum rate of 9 kg active/ha, (23 Litres of EcoBird 4.0/ha ) with a maximum of 12 applications per year and a minimum application interval of 21 days, is permitted.

#### **RECORDS OF USE ARE REQUIRED.**

**Non-fish bearing bodies of water (tailing ponds, commercial or industrial water impoundments, and decorative fountains):**

Apply EcoBird 4.0 Bird Repellent at a rate of 23 Litres per hectare of water surface at 3-4 week intervals. Adjust timing of subsequent applications as required by bird activity and anticipated seasonal migrations. Best applied undiluted or with a surfactant approved for use in water applications to ensure water surface coverage.

**Landfills:** Apply EcoBird 4.0 Bird Repellent at a rate of 23 Litres per hectare directly to the landfill site face as soon as the birds start to arrive. Repeat applications as long as birds persist. Make applications with conventional spray equipment hydroseeders and other liquid application equipment. Product is best applied undiluted or with surfactant to ensure uniform coverage.

### **FOGGING, HAZING AND DIFFUSER APPLICATIONS FOR NON-CROP AREAS, IN DOMESTIC STRUCTURES AND COMMERCIAL BUILDINGS**

#### **USE RESTRICTIONS:**

The maximum application rate when used for fogging via a continual timed diffuser is 0.23 kg active/ha (equivalent to 0.23 kg active/1000 m<sup>2</sup>. This equates to 580ml of EcoBird 4.0 per 1,000m<sup>2</sup>

Use this product in areas to repel birds that congregate in large numbers, including these passerine birds: starlings (*Sturnus vulgaris*), Indian mynas (*Acridotheres tristis*), gulls (subfamily *Larinae*), doves and domestic pigeons (*Columba livia domestica*),

welcome swallow (*Hirundo neoxena*), house sparrow (*Passer domesticus*), as well as wild waterfowl such as Canada geese (*Anserinae*) and ducks (*Anatidae*). These listed birds are reservoirs or vectors for human disease-causing agents, bacterial, parasitic, fungal, and ectoparasitic pathogens that can be transmitted to humans and may present a health risk to humans and domestic poultry. This product can also be used in non-crop areas that contain temporary surface water caused by the management activities, such as water collected in equipment ruts. EcoBird 4.0 Bird Repellent can also be applied near intermittently flooded low-lying areas, transitional areas between upland and lowland sites, marshes, swamps, bogs, and seasonally dry flood plains and/or deltas provided no water is present or water has receded where birds are a hazard or nuisance. However, this product cannot be applied in these areas when non-target birds (i.e. those birds not listed above) or threatened or endangered birds may be present. Do not apply directly to water, such as lakes, reservoirs, ponds, streams and canals. Areas where the above types of wild birds and humans or domestic birds come in close contact pose a risk to human health and in these settings, birds are considered pests. For use on or near domestic structures or buildings. Use EcoBird 4.0 Bird Repellent with thermal and mechanical foggers as well as specialized fogging and aerosol equipment as long as the product is applied at <30 microns. For best results, ensure the product comes in direct contact with target birds (see above) through direct fogging or proper air circulation via natural or artificial air movement. Direct outlet or nozzle away from surfaces and greenery or hold the fog or aerosol generator at least 1.5 metres from any object, painted surface, and especially plants and shrubbery to avoid discoloration from direct contact with concentrated EcoBird 4.0 Bird Repellent or the heat when using thermal foggers.

Do not smoke while applying this product.

#### **INDOOR FOGGING APPLICATIONS (Warehouses, hangers, garages, assembly plants, etc.)**

Apply EcoBird 4.0 Bird Repellent undiluted at a rate not to exceed 0.23 kg active per 1,000 cubic metres of space to be treated. This equates to 580ml of EcoBird 4.0 per 1,000m<sup>3</sup>.

Point fogger in the general direction of the nuisance birds, keeping the fog generator at least 1.5 metres from any structure or object to allow for complete dissipation of the fog. A distance of at least 1.5 metres from any structure or object prevents any damage to desired materials. Expose as many birds as possible to the fog for fast and lasting results. Best product performance is achieved with a dry fog. Consult the fogger user's manual for proper settings to assure a dry fog. Both ULV misters and thermal foggers may be used to apply this product. For automated fogging applications, point the fogger in the direction of the birds or their expected approach. Set the fogger for an appropriate duration as needed to repel target birds, eg 10 seconds to 5-minute fogging pulses during the time of expected bird activity.

#### **OUTDOOR FOGGING APPLICATIONS**

**General Application Directions:** Apply EcoBird 4.0 Bird Repellent undiluted at a rate of 450-580ml per hectare (10,000m<sup>2</sup>) of area to be treated. Point the fogger in the general direction of the nuisance birds, keeping the fogger at least 1.5metres away from any structure or object to allow for complete dissipation of the fog. A distance of at least 1.5metres from any structure or object prevents any damage to desired materials. Best product performance is achieved with a dry fog. Consult the fogger user's manual for proper settings to assure a dry fog. ULV, thermal and other foggers and aerosol generating equipment with a minimum application size of < 30 microns may be used to apply this product. Repeat treatments may be required for removal of all nuisance birds. For automated fogging applications, point the fogger in the direction of the birds or their expected approach. Set the fogger for an appropriate duration as needed to repel target birds, e.g. 10 seconds to 5-minute fogging pulses during the time of expected bird activity.

## **Electrical Substations, Farmsteads, Agricultural Sites, Structures, Buildings, Airports, and other Open Areas:**

Apply EcoBird 4.0 Bird Repellent undiluted using a thermal or mechanical fog generator that will deliver a dry fog with a droplet size within the aerosol size range (below 30 microns). Expose as many birds as possible to the fog for fast and lasting results. Apply EcoBird 4.0 Bird Repellent when birds have settled down or are roosting in the structure and/or wires of the substation. Withhold treatment until conditions favouring successful use arise (temperature, direction, and speed of wind) to be able to cover all the infested structure. For best results, make applications in the evening, when most of the birds have arrived, but before it gets too dark for the birds to leave once exposed to the fog.

## **Trees and Shrubs**

Apply EcoBird 4.0 Bird Repellent undiluted using a thermal or mechanical fog generator that will deliver a dry fog with a droplet size below 20 microns that will penetrate the foliage without wetting it. Expose as many birds as possible to the fog for fast and lasting results. Apply EcoBird 4.0 Bird Repellent when birds have settled down. Withhold treatment until conditions favouring successful use arise (temperature, direction, and speed of wind). For best results, make applications in the evening, when most of the birds have arrived, but before it gets too dark for the birds to leave once exposed to the fog. Application in the morning after the birds normally leave does not have much effect. To prevent damage to foliage, do not allow EcoBird 4.0 Bird Repellent to accumulate to the point of runoff.

## **Turf (Golf courses, lawns, sports fields, parks, etc.)**

Apply EcoBird 4.0 Bird Repellent undiluted using a thermal or mechanical fog generator that will deliver a dry fog with a droplet size within the aerosol size range (< 30 microns) that stays suspended and will not settle to the ground. Set fogger upwind so that the wind will carry the fog in the general direction of the birds. Apply at any time of the day when birds are present. To control Canada geese, ducks and gulls apply at any time when they are feeding or roosting, except when they sit on a nest during breeding season.

**Lakes and Ponds, Harbours and Boat Docks, Aquatic Production Sites (non-fish bearing sites such as hatchery buildings and around culture ponds)** Do not apply directly to water. Take steps to prevent risk of overspray. Apply when wind and drift conditions are minimal. Apply EcoBird 4.0 Bird Repellent undiluted using a thermal fog generator that will deliver a dry fog with a droplet size below 20 microns that will stay suspended and does not settle on the water surface. Set fogger upwind so that the wind will carry the fog in the general direction of the birds. Apply as soon as birds arrive. For roosting birds, the product is best applied in the evening when most of the birds have arrived but before it gets too dark for the birds to leave.

## **Fruit Applications (Agricultural Uses: For application to berries, grapes, apples, stone fruits (apricots, cherries, peaches, plums), cereal grains (sweet and popcorn, millet, oats, sorghum), and sunflowers).**

Use this product to limit damage caused by birds on ripening crops. Withhold treatment until fruit is susceptible to bird damage. Apply EcoBird 4.0 Bird repellent undiluted using a thermal or mechanical fog generator that will deliver a dry fog with a droplet size within the aerosol size range (< 30 microns). To avoid damage to foliage or fruit discoloration, do not allow EcoBird 4.0 Bird repellent to accumulate to the point of runoff. Birds must be exposed to the airborne EcoBird 4.0 Bird repellent if it is to achieve lasting results. Direct fog into crop area. Do not apply when crop is wet or if rain is expected. This product may be applied up to the day of harvest. Repeat treatment if significant bird damage begins to occur.

# ECOBIRD® 4.0

## BIRD REPELLENT

**Read label before use. Do not handle until all safety precautions have been read and understood.**

**TOXICITY:** Skin irritation Category 2.

**ECOTOXICITY:** TOXIC TO AQUATIC LIFE chronic

Category 2 and with long-lasting effects.

Avoid release to the environment. **DO NOT**

contaminate any water supply with chemical or empty container. **DO NOT** apply directly into or onto water. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

**PRECAUTIONS:** Avoid contact with skin, eyes or clothing. Wash hands and exposed skin thoroughly with soap and water after handling and before eating, drinking, or rest breaks.

**PERSONAL PROTECTION:** When handling wear eye protection, chemical resistant gloves (e.g. PVC or neoprene), appropriate enclosed footwear, and protective clothing. Wash contaminated clothing separately before reuse.

**STORAGE:** Store only in original container, in a dry place inaccessible to children, pets and domestic animals. Store apart from pesticides, fertilizers, food or feed that may cause cross-contamination from odour. Keep container closed when not in use. Storage of 1000L or more requires secondary containment, emergency response plan and signage.

**PRODUCT DISPOSAL:** To avoid waste, use all material in the container by applying according to the label instructions. If waste cannot be avoided, dispose of product with an approved waste disposal company.

**CONTAINER DISPOSAL:** Non refillable container. Do not reuse or refill this container. Triple rinse empty container and add rinsate to spray mix. Dispose of triple rinsed container through an approved recovery scheme e.g. Agrecovery, if available. Otherwise, crush or puncture and dispose of at a suitably approved landfill.

**SPILLAGE:** Exclude all bystanders, prevent material entering waterways and coming into contact with other products. Wear appropriate protective clothing to clean up spills. Absorb spills with an inert (such as vermiculite, earth, sand or synthetic absorbent substance) material and place in waste containers. Dispose of waste with an approved waste disposal company.

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**INGESTION:** If swallowed do not induce vomiting. Rinse mouth. Call POISON CENTRE or doctor for advice.

**SKIN CONTACT:** Wash with soap and water. If irritation persists, get 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. If breathing has stopped, begin artificial respiration. Use mouth-to-nose rather than mouth-to-mouth.

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**Packing Group:** III

**Hazchem:** Z3



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