

**MATERIAL SAFETY DATA SHEET**

Phoenix Environmental Care, LLC  
P.O. Box 370  
Valdosta, GA 31603-0370

General Information No. 229-245-8845  
In Case of Emergency, Call  
PROSAR: 888-875-1724

**I. PRODUCT IDENTIFICATION**

Product Name: GoldWing  
Active Ingredient: Trinexapac-ethyl (11.3%)  
Chemical Name: 4-(Cyclopropyl-a-hydroxymethylene) -3,5-dioxo-cyclohexanecarboxylic acid ethylester

**II. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS number	% by Wt.
Trinexapac-ethyl	95266-40-3	11.3

**III. HAZARDS IDENTIFICATION**

As defined by OSHA Hazard Communication Standard (29 CFR 1910.1200).

**EMERGENCY OVERVIEW**

*Keep out of the reach of children.*

Caution. Harmful if absorbed through skin, swallowed or inhaled. Causes moderate eye irritation. Avoid breathing vapor or spray mist. Avoid contact with skin, eyes or clothing.

**POTENTIAL HEALTH HAZARDS**

May cause eye irritation. Exposure to high vapor levels may cause dizziness, headache, nausea, numbness, in coordination or other central nervous system effects.

Medical Conditions Aggravated: None known.

**IV. FIRST AID MEASURES**

If on Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If in Eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

If Swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance and then give artificial respiration, preferably by mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

**NOTE TO PHYSICIAN:** If a large amount has been ingested, lavage stomach. An aqueous suspension of activated charcoal can be given to absorb remaining toxicant. Treat symptomatically.

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## **V. FIRE FIGHTING MEASURES**

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Flashpoint :	>230° F
Flammable Limits (LFL-UFL):	Not applicable
Fire and Explosion Hazards:	Combustible liquid. Can release vapors that form explosive mixtures at temperatures at or above the flash point. Heavy vapors can flow along surfaces to distant ignition sources and flash back.
Means of Extinction:	Use appropriate extinguishing media for combustibles in the area.
Fire Fighting Instructions:	Evacuate nonessential personnel from the area to prevent exposure to fire, smoke, fumes or products of combustion. Prevent use of contaminated buildings, area, and equipment until decontaminated. Water runoff may cause environmental damage and if water is used to fight a fire, dike and collect the runoff.
Firefighting Equipment:	Self-contained breathing apparatus with full face piece and full bunker gear.
Hazardous Combustion Products:	Thermal decomposition or combustion may produce irritating and possibly toxic gasses in a fire.

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## **VI. ACCIDENTAL RELEASE MEASURES**

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Steps to be taken if material is released or spilled: Control the spill at its source and contain the spill to prevent it from spreading or contaminating soil or from entering sewer and drainage systems or any body of water. Clean up spills immediately, observing the precautions outlined as outlined in this MSDS. Cover the entire spill with absorbing material and place into an appropriate disposal container. Scrub the area with hard water detergent such as Tide, Joy, Spic and Span, etc. and pick up the wash liquid with additional absorbent material and place into an appropriate disposal container. Once all material is cleaned up and placed in a disposal container, seal the container and arrange for disposal.

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## **VII. HANDLING AND STORAGE**

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Do not contaminate water, food, or feed by storage and disposal.

Store pesticide in original container. Store in a cool, dry place and avoid excess heat. Do not store below 0°F. If crystals form, store above 70°F, shaking periodically until crystals are dissolved.

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## **VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category C on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves (such as nitrile, butyl, neoprene, or barrier laminate).
- Shoes plus socks

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

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**IX. PHYSICAL AND CHEMICAL PROPERTIES**

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Appearance:	Amber liquid
Odor:	Strong, solvent-like smell
pH:	3.31
Density:	1.08 g/mL
Viscosity:	113 m Pa s

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**X. STABILITY AND REACTIVITY**

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Chemical Stability:	Product is stable under normal conditions.
Conditions to Avoid:	None known.
Hazardous Decomposition Products:	None known.
Hazardous Polymerization:	Will not occur.

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**XI. TOXICOLOGICAL INFORMATION**

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The data below are based on similar formulation. Non-acute information is based on the technical active ingredient, trinexapac-ethyl.

Acute Toxicity:

Oral LD <sub>50</sub> (rat):	>5,050 mg/kg
Dermal LD <sub>50</sub> (rabbit):	>2,020 mg/kg
Inhalation LC <sub>50</sub> (rat):	>2.75 mg/L air (4 hours)
Skin Irritation (rabbit):	Non-irritant.
Eye Irritation (rabbit):	Moderately irritating.
Sensitization (guinea pig):	Non-sensitizer.

Chronic/Subchronic Toxicity:

Trinexapac-ethyl: Liver, kidney, brain (dogs) effects at high doses (> 5,000 ppm).

Carcinogenicity:

Trinexapac-ethyl: Slight increase in forestomach tumors in male rates at high doses (20,000 mg/kg/day). Not applicable to humans.

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## XII. ECOLOGICAL INFORMATION

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### ENVIRONMENTAL HAZARDS

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater. Do not apply when weather conditions favor drift from treated areas.

The following information is for the active ingredient, trinexapac-ethyl:

Ecotoxicity Effects:

Rainbow Trout (96 hour) LC <sub>50</sub> :	65.7 ppm
Green Algae (5 day) EC <sub>50</sub> :	<1.4 ppm
Daphnia Magna (48 hour) EC <sub>50</sub> :	>142.5 ppm
Mallard Duck (14 day) LD <sub>50</sub> :	>2,000 mg/kg
Bobwhite Quail LD <sub>50</sub> :	>2,250 mg/kg

Environmental Fate:

Low bioaccumulation potential. Not persistent in soil or water. Moderately mobile in soil. Sinks in water (after 24 hours).

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## XIII. DISPOSAL CONSIDERATIONS

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**Pesticide Disposal:**

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental control Agency, or the Hazardous Waste representative at the nearest EPA Regional office for guidance.

**Container Disposal:**

Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling, if available or puncture and dispose of in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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## XIV. TRANSPORT INFORMATION

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DOT Classification:	Not regulated by DOT.
DOT Hazard Class Or Division:	N/A
DOT UN/NA Number:	N/A
DOT Packing Group:	N/A
Reportable Quantity:	N/A
Marine Pollutant:	Not listed

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**XV. REGULATORY INFORMATION**

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FIFRA –

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act. The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide.

OSHA Hazard Communication Standard Status –  
Not Regulated

SARA Title III – Section 302 Extremely Hazardous Substances  
Not listed

SARA Title III – Section 311/312 Hazard Categories  
Immediate

SARA Title III – Section 312 Threshold Planning Quantity

The threshold planning quantity (TPQ) for this product treated as a mixture is 10,000 lbs. This product contains no ingredients with a TPQ of less than 10,000 lbs.

SARA Title III – Section 313 Reportable Ingredients  
None

CERCLA –  
Not listed

California Prop 65 Status –  
Not listed

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**XVI. OTHER INFORMATION**

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MSDS Revision Date: 11/17/2010  
Supersedes: 04/13/2007

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