



United Phosphorus, Inc.

<b>NFPA</b>	<b>PPE</b>	

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Revision Number: 1

**1. PRODUCT AND COMPANY IDENTIFICATION**

**UPI**  
 630 Freedom Business Center  
 Suite 402  
 King of Prussia, PA 19406

**Emergency Telephone Number**  
 Chemtrec: (800) 424-9300 (24hrs) or (703) 527-3887  
 Medical: Rocky Mountain Poison Control Center  
 (866) 673-6671 (24hrs)

<u>Company Information</u>	<u>Contact Information</u>	<u>Phone Number</u>	<u>Available Hrs</u>
UPI	Customer Service R&D Technical Service	1-800-438-6071 484-804-6974	8:00 am to 5:00 pm EST 8:00 am - 5:00 pm (EST)

**Product Name** Phoenix Goldwing  
**EPA Reg #** 70506-259  
**Recommended Use** Not available  
**Product Code** 12P-0004

**2. HAZARDS IDENTIFICATION**

<b>Emergency Overview</b> Harmful if absorbed through skin Causes moderate eye irritation.		
<b>Appearance</b> Amber.	<b>Physical State</b> Liquid.	<b>Odor</b> Strong. Solvent-like.

**Potential Health Effects**

**Eyes** Contact with eyes may cause irritation.  
**Inhalation** Exposure to high vapor levels may cause dizziness, headache, nausea, numbness, coordination or other CNS effects.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Ingredients Name

Chemical Name	CAS-No	Weight %	OSHA PEL
Trinexepac-ethyl	95266-40-3	11.3	N/A
Propylene Glycol	57-55-6	43.2	N/A

### 4. FIRST AID MEASURES

<b>Eye Contact</b>	Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye Call a poison control center or doctor for treatment advice.
<b>Skin Contact</b>	Take off contaminated clothing Rinse skin immediately with plenty of water for 15-20 minutes Call poison control center or doctor for treatment advice.
<b>Inhalation</b>	Move person to fresh air If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible Call a poison control center or doctor for further treatment advice.
<b>Ingestion</b>	Call a physician or poison control center immediately Never give anything by mouth to an unconscious person Do not induce vomiting unless told to do so by a poison control center or doctor
<b>Notes to Physician</b>	Treat symptomatically

### 5. FIRE-FIGHTING MEASURES

#### Flammable Explosive Properties

##### Flash Point

>  
230 F

##### Autoignition Temperature

Not available

##### Flammability Limits in Air

Not available

##### Extnguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

##### Fire/Explosion Hazard

Vapors are heavier than air and may travel along ground or be moved by ventilation and ignited by heat, pilot lights, and other flames and ignition sources at locations distant from material handling point.

##### Hazardous Combustion Products

Thermal decomposition or combustion may produce irritating and possibly toxic gases in a fire.

**NFPA**

**Health 1**

**Flammability 1**

**Instability 0**

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Use personal protective equipment. Avoid contact with the skin and the eyes. Remove all sources of ignition.
<b>Environmental Precautions</b>	Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.
<b>Methods for Clean-up</b>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Wear personal protective equipment. Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Remove all sources of ignition. Ensure adequate ventilation.
<b>Storage</b>	Store in original container. Do not store below 0 F. If crystals form, store above 70 F, shaking periodically until crystals are dissolved.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Exposure Guidelines</b>	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
<b>Engineering Controls</b>	Investigate engineering techniques to reduce exposures. Local mechanical exhaust ventilation is preferred. Consult ACGIH ventilation manual or NFPA Standard 91 for design of exhaust systems.
<b>Personal Protective Equipment</b>	
<b>Eye/face Protection</b>	Where there is potential for eye contact have eye flushing equipment available. Use eye protection to avoid eye contact.
<b>Skin Protection</b>	Long sleeved clothing. Chemical resistant footwear plus socks. Chemical resistant gloves.
<b>Respiratory Protection</b>	Where airborne exposure is likely, use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. Full facepiece equipment is recommended and, if used, replaces need for face shield and/or chemical goggles. If exposures cannot be kept at a minimum with engineering controls, consult respirator manufacturer to determine appropriate type equipment for given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where there may be a potential for significant exposure, use an approved full face positive-pressure, self-contained breathing apparatus. Respiratory protection programs must comply with 29 CFR 1910.134.

### **General Hygiene Considerations**

Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance</b>	Amber	<b>Odor</b>	Strong Solvent-like
<b>Physical State</b>	Liquid	<b>pH</b>	3.31
<b>Boiling Point/Range</b>	Not available	<b>Melting Point/Range</b>	Not available
<b>Specific Gravity</b>	1.08 g/mL	<b>Solubility</b>	Not available
<b>Evaporation Rate</b>	Not available	<b>Vapor pressure</b>	Not available
<b>Vapor Density</b>	Not available	<b>VOC Content</b>	Not available
<b>Viscosity</b>	113 m Pas	<b>Molecular Weight</b>	no data available
<b>Bulk Density</b>	no data available	<b>Percent Solids</b>	Not available
<b>Percent Volatiles</b>	Not available		

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal conditions
<b>Conditions to Avoid</b>	Heat, flames and sparks
<b>Incompatible Materials</b>	No materials to be especially mentioned
<b>Hazardous Decomposition Products</b>	None under normal use
<b>Possibility of Hazardous Polymerization</b>	None under normal processing

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

<b>Product Information</b>	The information provided below is for a similar formulation: Trinexapac-ethyl 11.3% formulation: Acute oral LD50 (rat) = >5,050 mg/kg Acute dermal LD50 (rabbit) = >2,020 mg/kg Inhalation LC50 (rat) = >2.75 mg/L air - 4 hour Skin irritation (rabbit) = Not an irritant Eye irritation (rabbit) = Moderately irritating Sensitization (guinea pig) = Not a sensitizer
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### Chronic Toxicity

<b>Carcinogenicity</b>	There are no known carcinogenic chemicals in this product.
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## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Information provided below for active ingredient; trinexapac-ethyl:

Rainbow trout 96 hr LC50 = 65.7 ppm

Green Algae 5 day EC50 = <1.4 ppm

Daphnia Magna 48 hr EC50 = >142.5 ppm

Mallard Duck 14 day LD50 = >2,000 mg/kg

Bobwhite quail LD50 = >2,250 mg/kg

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

**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Method** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal law. If the wastes cannot be disposed of by use or 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.

**Contaminated Packaging** Refer to product label.

**14. TRANSPORT INFORMATION**

**DOT** Not regulated

**ICAO** Not regulated

**IATA** Not regulated

**IMDG/IMO** Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

Chemical Name	TSCA	DSL	NDSL	EINECS/ ELINCS	ENCS	CHINA	KECL	AICS
Trinexpac-ethyl							97-3-403	
Propylene Glycol	Present	X		X	(2)-234	X	KE-29267	X

**USA**

**Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and and Title 40n of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazardous Categorization**

**Chronic Health Hazard** No

**Acute Health Hazard** Yes

**Fire Hazard** No

**Sudden Release of Pressure Hazard** No

**Reactive Hazard** No

**Clean Water Act**

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product contains the following HAPs:

12P-0004  
Phoenix Goldwing

Chemical Name	CAS-No	Weight %	HAPS data	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Propylene Glycol	57-55-6	43.2		Group I		

CERCLA

RCRA

Pesticide Information

Component	FIFRA - Restricted Use	FIFRA - Pesticide Product Other Ingredients	FIFRA - Listing of Pesticide Chemicals	California Pesticides - Restricted Materials
Propylene Glycol 57-55-6 ( 43.2 )			X	

State Regulations

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

State Right-to-Know

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Propylene Glycol		X	X		

International Regulations

Mexico - Grade Not available

**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**WHMIS Hazard Class**

Not determined

**16. OTHER INFORMATION**

Revision Date 25-Oct-2012

**Revision Summary**

Add to system

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**End of MSDS**