



# Safety Data Sheet

United Phosphorus, Inc.

Preparation Date 05-May-2015

Revision date 22-Jul-2016

Revision Number: 1

## 1. Identification of the Substance/Preparation and of the Company/Undertaking

### Product identifier

Product Description: Goldwing

### Other means of identification

Item#: 12P-0004A

Registration number(s) 70506-259

### Recommended use of the chemical and restrictions on use

Recommended use No information available.

Uses advised against Activities contrary to label recommendation

### Details of the Supplier of the Safety Data Sheet

#### Supplier Address

United Phosphorus Inc.  
630 Freedom Business Center  
Suite 402  
King of Prussia, PA 19406

### Emergency telephone number

Company Phone Number 1-800-438-6071

Emergency telephone number Chemtrec: (800) 424-9300 (24hrs) or (703) 527-3887

Medical: Rocky Mountain Poison Control Center  
(866) 673-6671 (24hrs)

## 2. Hazards Identification

### Classification

#### OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Inhalation (Vapors)	Category 3
Skin sensitization	Category 1

### Label elements

#### EMERGENCY OVERVIEW

**DANGER**

#### **Hazard Statements**

Toxic if inhaled

May cause an allergic skin reaction



**Appearance** amber

**Physical state** Liquid

**Odor** Strong Solvent-like

**Precautionary Statements - Prevention**

Do not get in eyes, on skin, or on clothing  
Use only outdoors or in a well-ventilated area  
Contaminated work clothing should not be allowed out of the workplace  
Wear protective gloves

IF ON SKIN: Wash with plenty of soap and water  
If skin irritation or rash occurs: Get medical advice/attention  
Wash contaminated clothing before reuse  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
Call a POISON CENTER or doctor/physician

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep container tightly closed  
Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards Not Otherwise Classified (HNOC)****OTHER INFORMATION**

- May be harmful in contact with skin

**3. Composition/information on Ingredients**

Chemical name	CAS-No	Weight %	Trade secret
Trinexepac-ethyl	95266-40-3	11.3	
1,2-Benzisothiazolin-3-one	2634-33-5	0.1	

If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret.

**4. First aid measures****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 a 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 physician or poison control center immediately.
<b>Ingestion</b>	Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice.

**Most Important Symptoms and Effects, Both Acute and Delayed**

**Most Important Symptoms and Effects** No information available.

**Indication of Any Immediate Medical Attention and Special Treatment Needed**

**Notes to physician** Treat symptomatically.

**5. Fire-fighting measures**

**Suitable extinguishing media**

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

**Unsuitable extinguishing media** No information available.

**Specific hazards arising from the chemical**

No information available.

**Hazardous combustion products** Vapors are heavier than air and may travel along the 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.

**Explosion data****Protective equipment and precautions for firefighters**

Use personal protective equipment. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Use personal protective equipment. Avoid contact with skin and eyes. Remove all sources of ignition. Wash thoroughly after handling.

**Environmental Precautions**

**Environmental precautions** 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.

**Methods and material for containment and cleaning up**

**Methods for Clean-Up** 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

**Precautions for safe handling**

**Handling** 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. Provide adequate ventilation.

**Conditions for safe storage, including any incompatibilities**

**Storage** Do not store below 0 F. If crystals form, store above 70 F, shaking periodically until crystals are dissolved.

**incompatible materials** No information available.

## 8. Exposure Controls/Personal Protection

**Exposure guidelines** This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Engineering controls** 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.

**Personal protective equipment**

**Eye/Face Protection** Where there is potential for eye contact have eye flushing equipment available. Use eye

**Skin protection**  
**Respiratory protection**

protection to avoid eye contact.  
 Long sleeved clothing. Chemical resistant footwear plus socks. Chemical resistant gloves. 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

### Information on basic physical and chemical properties

<b>Physical state</b>	Liquid		
<b>Appearance</b>	amber	<b>Odor</b>	Strong Solvent-like
<b>color</b>	No information available		
<b>Property</b>	<b>VALUES</b>	<b>Remarks/ • Method</b>	
pH	3.31		
Melting point/freezing point	4.31 °C / 40 °F		
Boiling Point/Range	No information available		
Flash Point	> 230 F		
Evaporation Rate	No information available		
Flammability (solid, gas)	No information available		
Flammability limit in air			
Upper Flammability Limit	No information available		
Lower Flammability Limit	No information available		
vapor pressure	No information available		
Vapor Density	No information available		
Specific gravity	1.08 g/mL		
Water solubility	No information available		
Solubility in Other Solvents	No information available		
Partition coefficient: n-octanol/water	No information available		
Autoignition temperature	No information available		
Decomposition temperature	No information available		
Viscosity, kinematic	No information available		
Dynamic viscosity	No information available		
Explosive properties	No information available		
Oxidizing properties	No information available		

### OTHER INFORMATION

Softening point	No information available
molecular weight	No information available
VOC Content	No information available
density	No information available
Bulk density	No information available

## 10. Stability and Reactivity

### Reactivity

no data available

### Chemical stability

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Conditions to avoid**

Extremes of temperature and direct sunlight.

**Incompatible materials**

No information available.

**Hazardous decomposition products**

No information available.

## 11. Toxicological Information

**Information on Likely Routes of Exposure****Product information**

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

**Inhalation**

Harmful by inhalation.

**Eye contact**

Moderately irritating to the eyes.

**Skin contact**

May be absorbed through the skin in harmful amounts.

**Ingestion**

HARMFUL IF SWALLOWED.

**Information on Toxicological Effects****Symptoms**

No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Sensitization**

No information available.

**Mutagenic effects**

No information available.

**Carcinogenicity**

There are no known carcinogenic chemicals in this product.

**Reproductive effects**

Not Available.

**STOT - Single Exposure**

No information available.

**STOT - Repeated Exposure**

No information available.

**Aspiration hazard**

No information available.

**Numerical Measures of Toxicity - Product information****LD50 Oral**

> 5050 mg/kg (rat)

**LD50 Dermal**

> 2020 mg/kg (rat)

**LC50 Inhalation**

LC50/inhalation/4h/rat = > 2.75 mg/l

## 12. Ecological Information

**ecotoxicity**

For 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 = >2000 mg/kg  
Bobwhite quail LD50 = >2020 mg/kg

**Persistence/Degradability**

No information available.

**Bioaccumulation/ Accumulation**

Bioaccumulative potential.

Chemical name	Log Pow
1,2-Benzisothiazolin-3-one 2634-33-5	1.3

**Other Adverse Effects**

No information available

**13. Disposal Considerations****Waste Treatment Methods****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

**TDG**

NOT REGULATED

**IATA**

NOT REGULATED

**IMDG/IMO**

NOT REGULATED

**15. Regulatory Information**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**signal word**

CAUTION

**Ventilation Control**

PESTICIDE APPLICATORS & WORKERS THESE WORKERS MUST REFER TO  
PRODUCT LABELING AND DIRECTIONS FOR USE IN ACCORDANCE WITH EPA  
WORKER PROTECTION STANDARD 40 CFR PART 170.

**Keep out of Reach of Children. Harmful if swallowed. Harmful if inhaled or absorbed through skin. Causes moderate eye irritation.**

**International Inventories**

USINV	Complies
DSL/NDL	Does not comply
EINECS/ ELINCS	Does not comply
ENCS	Does not comply
China	Does not comply
KECL	Complies
PICCS	Does not comply
AICS	Does not comply
TSCA	Does not comply

- **TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**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 Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazardous****Categorization**

Acute health hazard	yes
Chronic health hazard	NO
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

**CERCLA**

**SARA Product RQ** 0

**RCRA****Pesticide Information****State Regulations****State Right-to-Know****International regulations****U.S. EPA Label information**

EPA Pesticide registration number 70506-259

<b>16. Other Information</b>
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**NFPA**

HEALTH 1

flammability 1

Instability 0

Physical hazard -

Preparation Date 05-May-2015

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**Revision Summary**

Update product name

**Disclaimer**

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**End of MSDS**