



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 610-878-6100	8:00 am to 5:00 pm EST 8:00 am - 5:00 pm (EST)

**Product Name** Phoenix Hawk-I 2L  
**EPA Reg #** 70506-258  
**Recommended Use** Insecticide  
**Product Code** 12P-0168A

**2. HAZARDS IDENTIFICATION**

<b>Emergency Overview</b> Harmful if absorbed through skin Harmful if swallowed		
<b>CAUTION</b> <b>Appearance</b> off-white.	<b>Physical State</b> Viscous. Suspension.	<b>Odor</b> Mild. Characteristic.

**Potential Health Effects**

**Eyes** Contact with eyes may cause irritation.  
**Skin** May cause skin irritation.  
**Inhalation** May cause irritation of respiratory tract.  
**Ingestion** May be harmful if swallowed.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Ingredients Name

Chemical Name	CAS-No	Weight %	OSHA PEL
Imidacloprid	138261-41-3	21.4	N/A
Propylene Glycol	57-55-6	10.5	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>	Rinse skin immediately with plenty of water for 15-20 minutes. If symptoms persist, call a physician.
<b>Inhalation</b>	If breathing is irregular or stopped, administer artificial respiration. May cause allergic respiratory reaction. Call a physician or poison control center immediately.
<b>Ingestion</b>	Call a physician or poison control center immediately. May produce an allergic reaction. Do not induce vomiting unless told to do so by a poison control center or doctor. Never give anything by mouth to an unconscious person.
<b>Notes to Physician</b>	Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

#### Flammable Explosive Properties

##### Flash Point

>100 C

##### Autoignition Temperature

Not available

##### Flammability Limits in Air

Not available

##### Extinguishing Media

alcohol-resistant foam, Dry chemical Carbon dioxide (CO2) Water spray.

##### Fire/Explosion Hazard

Toxic vapors may be released in the event of fire.

##### Hazardous Combustion Products

Hydrogen chloride, Nitrous oxides.

##### NFPA

Health 1

Flammability 1

Instability 0

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal Precautions

Avoid contact with the skin and the eyes. Use personal protective equipment.

**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 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

**Handling** Avoid contact with skin and eyes. Wear personal protective equipment. Remove all sources of ignition. Keep away from heat, sparks and open flame. - No smoking. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

**Storage** Store in an area where cross-contamination with pesticides, fertilizers, food or feed could not occur. Store in cool/well-ventilated place. Keep from excessive heat (above 100 F) during transport or storing.

## 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**

Avoid contact with eyes. Where there is potential for eye contact have eye flushing equipment available. Use eye protection to avoid eye contact.

**Skin Protection**

Long sleeved clothing. Long pants. Chemical resistant gloves. waterproof gloves. Socks and footwear.

**Respiratory Protection**

In case of inadequate ventilation wear respiratory protection.

### **General Hygiene Considerations**

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	off-white	<b>Odor</b>	Mild Characteristic
<b>Physical State</b>	Viscous Suspension	<b>pH</b>	8.9
<b>Boiling Point/Range</b>	Not available	<b>Melting Point/Range</b>	Not available
<b>Specific Gravity</b>	1.1195	<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>	157.4 cps	<b>Molecular Weight</b>	no data available
<b>Bulk Density</b>	9.00 lb/gal	<b>Percent Solids</b>	Not available
<b>Percent Volatiles</b>	Not available		

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under recommended storage conditions
<b>Conditions to Avoid</b>	Extreme temperatures
<b>Incompatible Materials</b>	No materials to be especially mentioned
<b>Hazardous Decomposition Products</b>	Nitrogen oxides (NOx) Carbon dioxide (CO2) Carbon monoxide Hydrogen chloride hydrogen cyanide
<b>Possibility of Hazardous Polymerization</b>	Hazardous polymerisation does not occur

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

#### Product Information

Imi 2 -  
Acute oral LD50 (rat) = >4,000 mg/kg  
Acute dermal LD50 (rat) = >2,000 mg/kg  
Acute inhalation LC50 (rat) = >5.33 mg/l (4 hr) / >20 mg/l (1 hr)  
Eye irritation = Minimally irritating  
Skin irritation = No skin irritation  
Sensitization = Non sensitizing (guinea pig)

### Chronic Toxicity

#### Carcinogenicity

Imidacloprid (A.I.) was not considered carcinogenic in rats or mice in oncogenicity studies. Reproduction studies indicated that Imidacloprid is not a reproductive toxicant. Mutagenicity studies noted no mutagenic or genotoxic effects in in vitro and in vivo tests.

Developmental effects were observed at doses that caused material toxicity in rats and rabbits. It is not considered a primary developmental toxicant.

Imidacloprid neurotoxicity tests showed slight behavioral and activity changes only at the highest dose in rats. Neural tissues showed no correlating morphological changes.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Harmful to bees. This product is highly toxic to aquatic invertebrates.

## 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**

Non refillable container. Do not reuse this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Then 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.

**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
Imidacloprid						X		
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)**

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

Chemical Name	CAS-No	Weight %	HAPS data	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Propylene Glycol	57-55-6	10.5		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 ( 10.5 )			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** 21-Feb-2013

**Revision Summary**

Add to system

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**End of MSDS**