



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 75 WSP  
**EPA Reg #** 70506-257  
**Recommended Use** Insecticide  
**Product Code** 12P-0006A

**2. HAZARDS IDENTIFICATION**

<b>Emergency Overview</b> May cause irritation of respiratory tract Harmful if swallowed		
<b>WARNING!</b>	<b>Physical State</b> Powder.	<b>Odor</b> Faint.
<b>Appearance</b> White, to, Grey.		

**Potential Health Effects**

**Acute Effects** Inhalation of dusts may cause respiratory irritation. Skin contact may cause irritation and possible rash.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Ingredients Name

Chemical Name	CAS-No	Weight %	OSHA PEL
Imidachloprid	138261-41-3	75	N/A
Marasperse	XXX-XX-X	7	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>	May produce an allergic reaction. Do not induce vomiting unless told to do so by a poison control center or doctor. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
<b>Notes to Physician</b>	Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

#### Flammable Explosive Properties

<b>Flash Point</b>	Not available
<b>Autoignition Temperature</b>	Not available
<b>Flammability Limits in Air</b>	Not available
<b>Extngushing Media</b>	Foam Carbon dioxide (CO2) Dry chemical
<b>Fire/Explosion Hazard</b>	This is a powder; therefore there is an increased risk of dust and dust production. Handle with consideration of dust hazards such as dust accumulation and associated fire/explosion hazards.

**Hazardous Combustion Products**

Dust clouds generated during handling and/or storage can form explosive mixtures with air. Dust explosion characteristics vary with the particle size, particle shape, moisture content, contaminants, and other variables.

As with any dry material, pouring this material or allowing it to free fall or be conveyed through chutes or pipes can accumulate and generate electrostatic sparks, potentially causing ignition of the material itself, or any flammable materials which may come into contact with the material or its container. Check that all equipment is properly grounded and installed to satisfy electrical classification requirements.

**NFPA**

**Health 1**

**Flammability 0**

**Instability 0**

**6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions**

Avoid contact with the skin and the eyes. Avoid dust formation. 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. Keep material out of lakes, streams, ponds and sewer drains. Dike to confine spill and absorb with an absorbant such as clay, sand or soil.

**Methods for Clean-up**

Sweep up and shovel into suitable containers for disposal.

**7. HANDLING AND STORAGE**

**Handling**

Avoid dust formation. Keep out of reach of children.

**Storage**

Store in original container. Store in cool/well-ventilated place.

## 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>	Avoid contact with eyes. Where there is potential for eye contact have eye flushing equipment available. Use eye protection to avoid eye contact.
<b>Skin Protection</b>	Wear protective gloves/clothing.
<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.
<b>General Hygiene Considerations</b>	Do not eat, drink or smoke when using this product. Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	White to Grey	<b>Odor</b>	Faint
<b>Physical State</b>	Powder	<b>pH</b>	6.7
<b>Boiling Point/Range</b>	Not available	<b>Melting Point/Range</b>	Not available
<b>Specific Gravity</b>	0.605 g/l	<b>Solubility</b>	Dispersible in water
<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>	Not available	<b>Molecular Weight</b>	no data available
<b>Bulk Density</b>	30-35 lbs/cu ft	<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>	Avoid dust formation Avoid temperatures above 100 F for prolonged periods of time. Strong exothermal reaction can occur above 390 F.
<b>Incompatible Materials</b>	No materials to be especially mentioned
<b>Hazardous Decomposition Products</b>	Carbon dioxide (CO2) Carbon monoxide Nitrogen oxides (NOx) Hydrogen chloride

**Possibility of Hazardous Polymerization**

Hazardous polymerisation does not occur

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

#### Product Information

**Hawk-I 75 WSP:**  
**Acute oral LD50 ( rat ) : >4,500 mg/kg**  
**Acute dermal LD50 (rat): >2,000 mg/kg**  
**Acute inhalation LC50 (rat) : >5.0 mg/L**  
**Eye irritation (rabbit): Mild**  
**Skin irritation (rabbit): Mild**  
**Sensitization (Guinea pig): Not a sensitizer**

### 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

This product is highly toxic to aquatic invertebrates. Extremely toxic to bees by direct exposure or residues on treated crop. Do not apply to or allow drift on blooming crops that bees may visit. Imidacloprid is toxic to certain aquatic species. Dangerous to bees. Toxic to birds. DO NOT contaminate streams, rivers, or waterways with this product.

Fish toxicity =

LC50 = 237 mg/L (96 hr) = 237 mg/L golden orfe

LC50 = 211 mg/L (96 hr) = 211 mg/L rainbow trout

LC50 = 280 mg/L (96 hr) = 280 mg/L carp

Aquatic invertebrate =

EC50 = 0.055 mg/L (48 hr) *Hyalella azteca*

EC50 = 85 mg/L (48 hr) *daphnia magna*

Algae toxicity =

EC50 = >100 mg/L (72 hr) green algae

Bacteria toxicity =

EC50 = >1000 mg/L activated sludge

Bird toxicity =

Acute oral LD50 = 31 mg/kg Japanese quail

Acute oral LD50 = 152 mg/kg bobwhite quail.

## 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** Empty containers should be taken for local recycling, recovery or waste disposal.

**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
Imidachloprid						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 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 does not contain any HAPs.

**CERCLA**

RCRA

**Pesticide Information**

**State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**State Right-to-Know**

**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** 05-Nov-2012

**Revision Summary**

Add to system

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**End of MSDS**