



# Material Safety Data Sheet

## United Phosphorus, Inc.

NFPA	PPE		
			

Issued Date 15-Nov-2007

Revision Date 23-Dec-2010

Revision Number: 3

### 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)

Company Information  
 UPI

Contact Information  
 Customer Service  
 R&D Technical Service

Phone Number  
 1-800-438-6071  
 610-878-6100

Available Hrs  
 8:00 am to 5:00 pm EST  
 8:00 am - 5:00 pm (EST)

**Product Name** ImiGold 2 F Turf & Ornamental  
**EPA Reg #** 70506-150  
**Recommended Use** insecticide  
**Product Code** 12U-169

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

May cause irritation to the respiratory tract.  
May cause eye and skin irritation  
Harmful if swallowed  
Harmful if absorbed through skin

#### CAUTION

**Appearance** off-white.

**Physical State** Viscous. Suspension.

**Odor** 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

#### Eye Contact

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.

#### Skin Contact

Rinse skin immediately with plenty of water for 15-20 minutes.  
If symptoms persist, call a physician

#### Inhalation

Move person to fresh air.  
If person is not breathing, call 911 or an ambulance, then give artificial respiration.  
Call a physician or Poison Control Centre immediately

#### Ingestion

Call a physician or Poison Control Center immediately  
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  
Never give anything by mouth to an unconscious person

#### Notes to Physician

Treat symptomatically

## 5. FIRE-FIGHTING MEASURES

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### Flammable Explosive Properties

**Flash Point** > 93°C / > 199°F  
**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

<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. .  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..
<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. Socks and footwear. Impervious gloves.
<b>Respiratory Protection</b>	In case of inadequate ventilation wear respiratory protection.
<b>General Hygiene Considerations</b>	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>	7.21
<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>	No data available	<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

**14. TRANSPORT INFORMATION**

**ICAO** Not regulated

**IATA** Not regulated

**IMDG/IMO** Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

Imidacloprid  
**CHINA** Listed  
 Propylene Glycol  
**DSL** Listed  
**EINECS/ELINCS** Listed  
**ENCS** Listed  
**CHINA** Listed  
**KECL** Listed

**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		Listed.		

**CERCLA**

**RCRA**

**Pesticide Information**

**State Regulations**

## 12U-169 - ImiGold 2 F Turf & Ornamental

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### 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			Listed.		Listed.

### 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** 23-Dec-2010

#### Revision Summary

Update section 13 Update section 8 Update section 2

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**End of MSDS**