



# Material Safety Data Sheet

## United Phosphorus, Inc.

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

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Revision Number: 1

**12U-173 - ImiGold 0.5 G Turf & Ornamental Insecticide**

### 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 - 5:00 pm (EST) 8:00 am to 5:00 pm EST

<b>Product Name</b>	ImiGold 0.5 G Turf & Ornamental Insecticide
<b>EPA Reg #</b>	70506-142
<b>Recommended Use</b>	insecticide
<b>Product Code</b>	12U-173

### 2. HAZARDS IDENTIFICATION

**Emergency Overview**  
May cause eye and skin irritation

**CAUTION**  
Appearance Grey. Physical State Granular. Odor No characteristic odor.

**Potential Health Effects**

<b>Eyes</b>	Contact with eyes may cause irritation.
<b>Inhalation</b>	May cause irritation of respiratory tract.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredients Name</u>	<u>Chemical Name</u>	<u>CAS-No</u>	<u>Weight %</u>	<u>OSHA PEL</u>

Montmorillonite clay	1302-78-9	96.79	N/A
Imidacloprid	138261-41-3	0.50	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>	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
<b>Ingestion</b>	Call a physician or Poison Control Center immediately Do not induce vomiting unless told to do so by a poison control center or doctor Have person sip a glass of water if able to swallow Never give anything by mouth to an unconscious person
<b>Notes to Physician</b>	Treat symptomatically

#### 5. FIRE-FIGHTING MEASURES

<b>Flammable Explosive Properties</b>			
<b>Flash Point</b>	Not applicable		
<b>Autoignition Temperature</b>	Not available		
<b>Flammability Limits in Air</b>	Not available		
<b>Extinguishing Media</b>	Dry chemical Carbon dioxide (CO <sub>2</sub> ) Foam Water		
<b>Fire/Explosion Hazard</b>	Dust explosion characteristics vary with the particle size, particle shape, moisture content, contaminants, and other variables.		
<b>Hazardous Combustion Products</b>	Carbon monoxide, Carbon dioxide (CO <sub>2</sub> ), Nitrous oxides, Hydrogen chloride, hydrogen cyanide.		
<b>NFPA</b>	<b>Health</b> 1	<b>Flammability</b> 0	<b>Instability</b> 0

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Avoid contact with the skin and the eyes. Use personal protective equipment. Avoid dust formation.
<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>	Sweep up and shovel into suitable containers for disposal.

#### 7. HANDLING AND STORAGE

<b>Handling</b>	Avoid dust formation. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. . Keep in a well-ventilated place.
<b>Storage</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Store in an area where cross-contamination with pesticides, fertilizers, food or feed could not occur. .

## 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.. Avoid contact with eyes.
<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. .

### General Hygiene Considerations

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Grey	<b>Odor</b>	No characteristic odor
<b>Physical State</b>	Granular	<b>pH</b>	(@20C)7.13
<b>Boiling Point/Range</b>	Not available	<b>Melting Point/Range</b>	Not available
<b>Specific Gravity</b>	1.08	<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>	Not available	<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>	Excessive heat and open flame.
<b>Incompatible Materials</b>	No materials to be especially mentioned
<b>Hazardous Decomposition Products</b>	Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide. hydrogen cyanide. Hydrogen chloride. Nitrogen oxides (NO <sub>x</sub> ).
<b>Possibility of Hazardous Polymerization</b>	Hazardous polymerisation does not occur

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

<b>Product Information</b>	Imi 0.5 Acute oral LD50 = 5,000 mg/kg
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Acute dermal LD50 = >2,000 mg/kg  
 Acute inhalation LC50 = >4,905 mg/L (4 hr)  
 Eye irritation = Mild eye irritant  
 Skin irritation = Not an irritant  
 Sensitization = Not a skin 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**

Harmful to bees.

## 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

<b>DOT</b>	Not regulated
<b>ICAO</b>	Not regulated
<b>IATA</b>	Not regulated
<b>IMDG/IMO</b>	Not regulated

## 15. REGULATORY INFORMATION

**International Inventories**

Montmorillonite clay	
<b>DSL</b>	Listed
<b>EINECS/ELINCS</b>	Listed
<b>CHINA</b>	Listed
<b>KECL</b>	Listed
Imidacloprid	
<b>CHINA</b>	Listed
<b>USA</b>	

**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 30-Jul-2008

**Revision Summary**

Correct spelling error(s)

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End of MSDS