



Material Safety Data Sheet

United Phosphorus, Inc.

NFPA	PPE		

Issued Date 19-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)

UPI
Company Information

Contact Information
 Customer Service
 R&D Technical Service

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

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

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

2. HAZARDS IDENTIFICATION

Emergency Overview

May cause eye and skin irritation
 Harmful if absorbed through skin
 Harmful if swallowed

CAUTION

Appearance Grey.

Physical State Granular.

Odor No characteristic odor.

Potential Health Effects

Eyes
Inhalation

Contact with eyes may cause irritation.
 May cause irritation of respiratory tract.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients Name

Chemical Name	CAS-No	Weight %	OSHA PEL
Imidacloprid	138261-41-3	0.50	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
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

Notes to Physician

Treat symptomatically

5. FIRE-FIGHTING MEASURES

Flammable Explosive Properties

Flash Point

Not applicable

Autoignition Temperature

Not available

Flammability Limits in Air

Not available

Extinguishing Media

Dry chemical Carbon dioxide (CO₂) Foam Water

Fire/Explosion Hazard

Dust explosion characteristics vary with the particle size, particle shape, moisture content, contaminants, and other variables.

Hazardous Combustion Products

Carbon monoxide, Carbon dioxide (CO₂), Nitrous oxides, Hydrogen chloride, hydrogen cyanide.

NFPA

Health 1

Flammability 0

Instability 0

6. ACCIDENTAL RELEASE MEASURES

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

7. HANDLING AND STORAGE

Handling	Avoid dust formation. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. . Keep in a well-ventilated place.
Storage	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

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.. Avoid contact with eyes.
Skin Protection	Wear protective gloves/clothing.
Respiratory Protection	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

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Appearance	Grey	Odor	No characterisitic odor
Physical State	Granular	pH	(@20C)7.13
Boiling Point/Range	Not available	Melting Point/Range	Not available
Specific Gravity	1.08	Solubility	Not available
Evaporation Rate	Not available	Vapor Pressure	Not available
Vapor Density	Not available	VOC Content	Not available
Viscosity	Not available	Molecular Weight	No data available
Bulk Density	No data available	Percent Solids	Not available
Percent Volatiles	Not available		

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions
Conditions to Avoid	Excessive heat and open flame.
Incompatible Materials	No materials to be especially mentioned
Hazardous Decomposition Products	Carbon dioxide (CO ₂). Carbon monoxide. hydrogen cyanide. Hydrogen chloride. Nitrogen oxides (NO _x).
Possibility of Hazardous Polymerization	Hazardous polymerisation does not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information	<p>Imi 0.5 Acute oral LD50 = 5,000 mg/kg 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</p>
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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

Non refillable container. Do not reuse this container. . Completely empty bag into application equipment. Then offer for recycling if available or dispose of empty bag 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

Imidacloprid

CHINA

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)

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

23-Dec-2010

Revision Summary

Update section 13 Update section 2

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End of MSDS