



Material Safety Data Sheet

United Phosphorus, Inc.

NFPA	PPE

Issued Date 28-Nov-2012

Revision Date 05-Dec-2012

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)

Company Information

Contact Information

Phone Number

Available Hrs

UPI

Customer Service 1-800-438-6071
R&D Technical Service 484-804-6974

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

Product Name

EPA Reg

Recommended Use

Product Code

Phoenix Kighthawk
70506-266
Herbicide
12P-0008

2. HAZARDS IDENTIFICATION

Emergency Overview

Mild eye irritation

Toxic to aquatic organisms

Appearance Yellow.

Physical State Solid.

Odor Not available.

Potential Health Effects

Acute Effects

Based on single exposure animal tests, it is considered to be slightly toxic if swallowed, no more than slightly toxic if inhaled and slightly irritating to the eyes and skin. Inhalation may be irritating to the respiratory tract.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients Name

Chemical Name	CAS-No	Weight %	OSHA PEL
Prodiamine	29091-21-2	65	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	Wash off immediately with soap and plenty of water for at least 15 minutes Call poison control center or doctor for treatment advice.
Inhalation	Move person to fresh air If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible Call a poison control center or doctor for further treatment advice.
Ingestion	Call a physician or poison control center immediately Never give anything by mouth to an unconscious person Do not induce vomiting unless told to do so by a poison control center or doctor
Notes to Physician	There is no specific antidote if this product is ingested. If a large amount has been ingested, and emesis is inadequate, lavage stomach. This product has a high affinity to activated charcoal. Fifty grams activated charcoal in 400 mL water can be given to absorb the remaining material in the stomach. Treat patient symptomatically.

5. FIRE-FIGHTING MEASURES

Flammable Explosive Properties

Flash Point	Not available		
Autoignition Temperature	Not available		
Flammability Limits in Air	Not available		
Extnguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment		
Fire/Explosion Hazard	Flammable or explosive with high energy impact.		
Hazardous Combustion Products	None identified.		
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.
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	Take up mechanically and collect in suitable container for disposal.

7. HANDLING AND STORAGE

Handling	Avoid contact with skin and eyes. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Keep out of reach of children.
Storage	Keep in a dry, cool and well-ventilated place.

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. Use eye protection to avoid eye contact. Safety glasses with side-shields.
Skin Protection	Chemical resistant gloves. Long pants. Socks and footwear. Long sleeved 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

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Yellow	Odor	Not available
Physical State	Solid	pH	no data available
Boiling Point/Range	Not available	Melting Point/Range	122.5-124 °C
Specific Gravity	Not available	Solubility	0.013 ppm @ 25 C
Evaporation Rate	Not available	Vapor pressure	0.0033 mPa @25 C

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 normal conditions
Conditions to Avoid	No information available
Incompatible Materials	No materials to be especially mentioned
Hazardous Decomposition Products	None under normal use
Possibility of Hazardous Polymerization	None under normal processing

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Component Information	Prodiamine: Oral LD50 (rat) = >5,050 mg/kg Dermal LD50 (rabbit) = >5,050 mg/kg Inhalation LC50 (rat) = >0.231 mg/m ³ of air - 4 hour Primary eye irritation (rabbit) = Mildly irritating Primary dermal irritation (rabbit) = Non irritating
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Chronic Toxicity

Carcinogenicity	There are no known carcinogenic chemicals in this product.
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12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic organisms.

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	Refer to product label.

14. TRANSPORT INFORMATION

DOT When shipped domestically by highway in non-bulk containers this product can be shipped as not regulated. When shipped in bulk, by vessel, or internationally use the following shipping description:

Proper Shipping Name	Environmentally hazardous substances, solid, n.o.s. (Prodiamine)
Hazard Class	9
UN-No	UN3077
Packing Group	PG III
Marine pollutant	Marine pollutant.

ICAO

UN-No	UN3077
Proper Shipping Name	Environmentally hazardous substance, solid, n.o.s (Prodiamine)
Hazard Class	9
Packing Group	PG III
Description	Marine pollutant

IATA

UN-No	UN3077
Proper Shipping Name	Environmentally hazardous substances, solid, n.o.s. (Prodiamine)
Hazard Class	9
Packing Group	PG III
ERG Code	9L
Description	Marine pollutant

IMDG/IMO

Proper Shipping Name	Environmentally hazardous substances, solid n.o.s. (Prodiamine)
Hazard Class	9
UN-No	UN3077
Packing Group	PG III
Marine pollutant	Marine pollutant

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS/ ELINCS	ENCS	CHINA	KECL	AICS
Prodiamine	Present		X	X				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
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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-Dec-2012
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Revision Summary

Add to system

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End of MSDS