



Material Safety Data Sheet

United Phosphorus, Inc.

NFPA	PPE	

Issued Date 17-Apr-2012

Revision Date 13-Sep-2013

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	1-800-438-6071	8:00 am to 5:00 pm EST

Product Name	Phoenix Jetphiter
EPA Reg #	70506-291
Recommended Use	fungicide
Product Code	12P-0033

2. HAZARDS IDENTIFICATION

Emergency Overview

The product presents a slight health hazard in terms of irritation of skin, eyes or mucous membranes. There are no significant flammability or reactivity hazards,

CAUTION

Appearance Clear.

Physical State Liquid.

Odor No appreciable odor.

Potential Health Effects

- The primary routes of exposure are expected to be inhalation of mists or sprays generated by this product and contact with eyes or skin.

Eyes	Causes redness, irritation, tearing.
Skin	Contact with skin may cause irritation and reddening of exposed tissue.
Inhalation	Inhalation may cause irritation to the nose, throat and mucous membranes. Symptoms may include coughing, sneezing, and sore throat. Symptoms are generally alleviated when overexposure ends.
Ingestion	Ingestion of this product will lead to irritation of the throat, esophagus, and other tissues of the digestive system. Symptoms of such exposure would include coughing, nausea, vomiting and diarrhea.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients Name

Chemical Name	CAS-No	Weight %	OSHA PEL
Potassium dihydrogen phosphate	7778-77-0	>40	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 physician or poison control center 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

Flammable Explosive Properties

Flash Point	Not available
Autoignition Temperature	Not available
Flammability Limits in Air	Not available
Extnguishing Media	Water spray Carbon dioxide (CO2) Foam Dry powder
Fire/Explosion Hazard	In fire conditions, may release irritating and toxic gases due to thermal decomposition or combustion.
Hazardous Combustion Products	Oxides of carbon, Oxides of phosphorous, Phosphine gas.
NFPA	Health 1 Flammability 0 Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid contact with the skin and the eyes. Ensure adequate ventilation. Remove all sources of ignition. Wear protective gloves/clothing and eye/face protection.
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	Wear personal protective equipment. Avoid contact with skin and eyes. Remove and wash contaminated clothing before re-use. Remove all sources of ignition. Do not eat, drink or smoke when using this product. Keep out of reach of children. Wash thoroughly after handling.
Storage	Keep containers tightly closed in a cool, well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep out of the reach of children. Store in original container.

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. Eye/face Protection. Safety glasses with side-shields. Goggles.
Skin Protection	Neoprene gloves. Coveralls. Apron.
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. Remove and wash contaminated clothing before re-use. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear	Odor	No appreciable odor
Physical State	Liquid	pH	6.5
Boiling Point/Range	>100 °C / 212 °F	Melting Point/Range	<0 °C / 32 °F
Specific Gravity	1.33 g/cc	Solubility	Completely soluble
Evaporation Rate	Less than 1	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 normal conditions
Conditions to Avoid	Heat, flames and sparks
Incompatible Materials	Strong bases Materials that react with water oxidizers reducing agents
Hazardous Decomposition Products	Carbon oxides Oxides of phosphorous Phosphine gas
Possibility of Hazardous Polymerization	None under normal processing

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Component Information The specific toxicology data available for componenets greater than 1% in concentration are as follows:
Proprietary potassium compounds
Oral TDLo (dog) = 800 mg/kg - 14-38 week ; kidney effects
NOEL (oral, rat) = 5.1% -150 days
Skin (rabbit) = >300 mg/kg

Chronic Toxicity

Carcinogenicity There are no known carcinogenic chemicals in this product.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Product components are realtively stable but will decompose over time to generate inorganic compounds. The product is a fertilizer and as such releases of large quantities into an area can substantially alter the nutrient composition and affect terrestrial plant life. .

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 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
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12P-0033
Phoenix Jetphiter

Potassium dihydrogen phosphate	Present	X		X	(1)-452	X	KE-28622	X
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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

Component	FIFRA - Restricted Use	FIFRA - Pesticide Product Other Ingredients	FIFRA - Listing of Pesticide Chemicals	California Pesticides - Restricted Materials
Potassium dihydrogen phosphate 7778-77-0 (>40)			X	

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
D2B Toxic materials

16. OTHER INFORMATION

Revision Date 13-Sep-2013

Revision Summary
Update warranty statement

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End of MSDS