



United Phosphorus, Inc.

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

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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 R&D Technical Service	1-800-438-6071 484-804-6975	8:00 am to 5:00 pm EST 8:00 am - 5:00 pm (EST)

**Product Name** Viceroy 70DF  
**EPA Reg #** 61842-10-70506  
**Recommended Use** fungicide  
**Product Code** 12P-0032

**2. HAZARDS IDENTIFICATION**

<b>Emergency Overview</b>		
Causes eye irritation, redness		
Repeated or prolonged skin contact may cause irritation, redness, swelling		
Harmful if inhaled		
May cause irritation of respiratory tract		
<b>Appearance</b> Green.	<b>Physical State</b> Free flowing granules.	<b>Odor</b> Not available.

**Potential Health Effects**

**Acute Effects** May cause irritation to the eyes, skin or respiratory tract.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Ingredients Name

Chemical Name	CAS-No	Weight %	OSHA PEL
Fosetyl-aluminium	39148-24-8	70	N/A

### 4. FIRST AID MEASURES

<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water for at least 15 minutes Remove and wash contaminated clothing before re-use If skin irritation persists, 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, preferably mouth-to-mouth if possible Call a physician or poison control center immediately
<b>Ingestion</b>	Immediately call a POISON CENTER or a doctor/physician Never give anything by mouth if victim is unconscious, or is convulsing If able to swallow, give plenty of water Do not induce vomiting unless told to do so by a poison control center or doctor
<b>Notes to Physician</b>	Treat symptomatically

### 5. FIRE-FIGHTING MEASURES

#### Flammable Explosive Properties

<b>Flash Point</b>	Not applicable
<b>Autoignition Temperature</b>	Not available
<b>Flammability Limits in Air</b>	Not available
<b>Extnguishing Media</b>	Carbon dioxide (CO2), Water spray, Foam
<b>Fire/Explosion Hazard</b>	Dust explosion characteristics vary with the particle size, particle shape, moisture content, contaminants, and other variables. Dust clouds generated during handling and/or storage can form explosive mixtures with air.
<b>Hazardous Combustion Products</b>	Carbon dioxide (CO2), Carbon monoxide, Oxides of phosphorous.

**NFPA**

**Health 1**

**Flammability 0**

**Instability 0**

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Avoid contact with the skin and the eyes. Avoid dust formation. Do not breathe dust. Ensure adequate ventilation. Wash thoroughly after handling.
<b>Environmental Precautions</b>	Do not flush into surface water or sanitary sewer system.
<b>Methods for Clean-up</b>	Sweep up and shovel into suitable containers for disposal.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Do not eat, drink or smoke when using this product. Avoid contact with skin and eyes. Do not breathe dust. Wear protective gloves/clothing and eye/face protection. Ensure adequate ventilation. <b>KEEP OUT OF REACH OF CHILDREN AND PETS.</b>
<b>Storage</b>	Do not store near combustible materials. Keep away from open flames, hot surfaces and sources of ignition. Keep away from direct sunlight.

## 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. Use eye protection to avoid eye contact.
<b>Skin Protection</b>	Protective gloves.
<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 before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Green	<b>Odor</b>	Not available
<b>Physical State</b>	Free flowing granules	<b>pH</b>	(1% solution)
<b>Boiling Point/Range</b>	Not available	<b>Melting Point/Range</b>	Not available
<b>Specific Gravity</b>	Not available	<b>Solubility</b>	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 normal conditions
Conditions to Avoid	Heat, flames and sparks
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	Fosetyl aluminum: Acute oral LD50 (rat) : 2,860 mg/kg Acute dermal LD50 (rabbit) : >2,000 mg/kg Acute inhalation LC50 (rat) : >5 mg/L (4hr) Eye irritation (rabbit) : Mild Skin irritation (rabbit): Slight Sensitization (guinea pig) : non-sensitizing
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### Chronic Toxicity

Carcinogenicity	Fosetyl aluminum = Possible human carcinogen (EPA) .
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## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Toxic to aquatic organisms. Drift and runoff from treated areas may be hazardous to fish/aquatic organisms in adjacent sites. Do not apply directly to water, to areas where surface water is present or inter-tidal areas below the mean high water mark outside of a treated rice field. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including wash water. .

## 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.
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**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**

**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**

<b>Chronic Health Hazard</b>	No
<b>Acute Health Hazard</b>	Yes
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	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** 18-Apr-2012

**Revision Summary**

Add to system

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**End of MSDS**