



United Phosphorus, Inc.

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

Issued Date 08-May-2009

Revision Date 22-Aug-2013

Revision Number: 6

**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	R&D Technical Service Customer Service	610-223-2180 1-800-438-6071	8:00 am to 5:00 pm EST 8:00 am - 5:00 pm (EST)

**Product Name** Bifenture 10 DF Insecticide/Miticide  
**EPA Reg #** 70506-227  
**Recommended Use** Restricted Use Pesticide  
**Product Code** 12U-133R

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

May form combustible dust-air mixtures  
May support combustion  
Harmful if absorbed through skin  
Harmful if swallowed  
Causes moderate eye irritation.

### CAUTION

**Appearance** off-white, White.

**Physical State** Powder.

**Odor** Odorless.

### Potential Health Effects

- Skin contact

#### Acute Effects

Effects from overexposure result from either swallowing, inhaling, or coming into contact with the skin. Symptoms of overexposure include bleeding from the nose, tremors and convulsions. Contact with this product may occasionally produce skin sensations such as rashes, numbing, burning and tingling. These sensations are reversible and usually subside within 12 hours.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Ingredients Name

Chemical Name	CAS-No	Weight %	OSHA PEL
Bifenithrin technical	82657-04-3	10	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

Take off contaminated clothing  
Rinse skin immediately with plenty of water for 15-20 minutes  
Call poison control center or doctor for treatment advice.

### Inhalation

If breathing is irregular or stopped, administer artificial respiration  
May cause allergic respiratory reaction  
Call a poison control center or doctor for further treatment advice.

### Ingestion

Call a physician or poison control center immediately  
May produce an allergic reaction  
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

No information available

## 5. FIRE-FIGHTING MEASURES



## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines

#### 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. PESTICIDE APPLICATORS & WORKERS. THESE WORKERS MUST REFER TO PRODUCT LABELING AND DIRECTIONS FOR USE IN ACCORDANCE WITH EPA WORKER PROTECTION STANDARD 40 CFR PART 170.

#### 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.

##### Skin Protection

Long sleeved clothing. Long pants. waterproof gloves. Socks and footwear.

##### 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. Avoid contact with skin, eyes and clothing. Wash hands and face before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	off-white White	<b>Odor</b>	Odorless
<b>Physical State</b>	Powder	<b>pH</b>	(@20C) 7.67
<b>Boiling Point/Range</b>	Not available	<b>Melting Point/Range</b>	Not available
<b>Specific Gravity</b>	0.4226 g/ml	<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>	Extreme temperatures Heat, flames and sparks
<b>Incompatible Materials</b>	No materials to be especially mentioned
<b>Hazardous Decomposition Products</b>	Carbon dioxide (CO2) Carbon monoxide Hydrogen chloride Hydrogen fluoride



**Contaminated Packaging**

Non refillable container. Do not reuse this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Then offer for recycling if available or puncture and dispose of 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**

When shipped domestically by highway in non-bulk containers this product can be shipped as not regulated.

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

**ICAO**

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

**IATA**

**UN-No** UN3077  
**Proper Shipping Name** Environmentally hazardous substances, solid, n.o.s. (Bifenthrin)  
**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. (Bifenthrin)  
**Hazard Class** 9  
**UN-No** UN3077  
**Packing Group** PG III  
**EmS No.** F-A,S-F  
**Marine pollutant** yes

**15. REGULATORY INFORMATION**

**International Inventories**

Chemical Name	TSCA	DSL	NDSL	EINECS/ ELINCS	ENCS	CHINA	KECL	AICS
Bifenthrin technical					(4)-1701	X	KE-05935	

12U-133R  
Bifenture 10 DF Insecticide/Miticide

USA

Federal Regulations

SARA 313

Y

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values
Bifenthrin technical	82657-04-3	10	1.0

SARA 311/312 Hazardous Categorization

Chronic Health Hazard	Yes
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
Bifenthrin technical 82657-04-3 ( 10 )			X	

State Regulations

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

State Right-to-Know

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Bifenthrin technical		X			

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** 22-Aug-2013

**Revision Summary**  
Recurrent confirmation/update of data

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**End of MSDS**