



# Safety Data Sheet

United Phosphorus, Inc.

Preparation Date 11-May-2015

Revision date 21-Sep-2015

Revision Number: 2

## 1. Identification of the Substance/Preparation and of the Company/Undertaking

### Product identifier

Product Description: Vendex 50 WP

### Other means of identification

Item#: 12U-177  
UN-No UN2786  
Synonyms Not Available  
Registration number(s) 70506-211

### Recommended use of the chemical and restrictions on use

Recommended use Miticide.  
Uses advised against Activities contrary to label recommendation

### Details of the Supplier of the Safety Data Sheet

#### Supplier Address

United Phosphorus Inc.  
630 Freedom Business Center  
Suite 402  
King of Prussia, PA 19406

#### Emergency telephone number

Company Phone Number 1-800-438-6071  
Emergency telephone number Chemtrec: (800) 424-9300 (24hrs) or (703) 527-3887  
Medical: Rocky Mountain Poison Control Center  
(866) 673-6671 (24hrs)

## 2. Hazards Identification

### Classification

#### OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Dermal	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 1
Skin Corrosion/Irritation	Category 2
Serious eye damage/eye irritation	Category 2

### Label elements

#### EMERGENCY OVERVIEW

**DANGER**

#### hazard statements

Harmful in contact with skin  
Fatal if inhaled  
CAUSES SKIN IRRITATION  
Causes serious eye irritation

**appearance** Off-white**Physical state** powder**Odor** No characterisitic odor**Precautionary Statements - Prevention**

Wear protective gloves/protective clothing/eye protection/face protection

Do not breathe dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

In case of inadequate ventilation wear respiratory protection

Wash face, hands and any exposed skin thoroughly after handling

IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

If eye irritation persists: Get medical advice/attention

IF ON SKIN: Wash with plenty of soap and water

Call a POISON CENTER or doctor if you feel unwell

If skin irritation occurs: Get medical advice/attention

Take off contaminated clothing and wash before reuse

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Immediately call a POISON CENTER or doctor/physician

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep container tightly closed

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards Not Otherwise Classified (HNOC)****OTHER INFORMATION**

- Very toxic to aquatic life with long lasting effects
- Very toxic to aquatic life
- May be harmful in contact with skin

### 3. Composition/information on Ingredients

Chemical name	CAS-No	Weight %	Trade secret
Bis(tris(2-methyl-2-phenylpropyl)tin)oxide	13356-08-6	50	

If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret.

### 4. First aid measures

**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. 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. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

#### **Most Important Symptoms and Effects, Both Acute and Delayed**

**Most Important Symptoms and Effects** No information available.

#### **Indication of Any Immediate Medical Attention and Special Treatment Needed**

**Notes to physician** Probable mucosal damage may contraindicate the use of gastric lavage.

### **5. Fire-fighting measures**

#### **Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** No information available.

#### **Specific hazards arising from the chemical**

No information available.

**Hazardous combustion products** Dust clouds generated during handling and/or storage can form explosive mixtures with air. Dust explosion characteristics vary with the particle size, particle shape, moisture content, contaminants, and other variables.

As with any dry material, pouring this material or allowing it to free fall or be conveyed through chutes or pipes can accumulate and generate electrostatic sparks, potentially causing ignition of the material itself, or any flammable materials which may come into contact with the material or its container. Check that all equipment is properly grounded and installed to satisfy electrical classification requirements.

#### **Explosion data**

#### **Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### **6. Accidental release measures**

#### **Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Avoid dust formation. Provide adequate ventilation. Use personal protective equipment. Remove all sources of ignition.

#### **Environmental Precautions**

**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. Local authorities should be advised if significant spillages cannot be contained.

#### **Methods and material for containment and cleaning up**

**Methods for Clean-Up** Avoid dust formation. Sweep up and shovel into suitable containers for disposal. Shovel or sweep up.

### **7. Handling and Storage**

#### **Precautions for safe handling**

**Handling** Do not eat, drink or smoke when using this product. Avoid dust formation. Avoid breathing dust. Wear personal protective equipment. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use.

**Conditions for safe storage, including any incompatibilities**

**Storage** Keep out of the reach of children. Keep tightly closed in a dry and cool place. Store in an area where cross-contamination with pesticides, fertilizers, food or feed could not occur. Keep containers tightly closed in a cool, well-ventilated place.

**incompatible materials** No materials to be especially mentioned.

## 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. 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**

Wear protective gloves/clothing.

**Respiratory protection**

Avoid breathing dust. When airborne exposure limits are exceeded (see below), use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. Consult respirator manufacturer to determine appropriate type equipment for given application. Observe respirator use limitations specified by NIOSH or the manufacturer.

**General hygiene considerations**

Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and Chemical Properties

**Information on basic physical and chemical properties**

<b>Physical state</b>	powder	<b>Odor</b>	No characteristic odor
<b>appearance</b>	Off-white		
<b>color</b>	No information available		
<b>Property</b>	<b>VALUES</b>	<b>Remarks/ • Method</b>	
<b>pH</b>	No information available		
<b>Melting point/freezing point</b>	No information available		
<b>Boiling Point/Range</b>	No information available		
<b>Flash Point</b>			
<b>Evaporation Rate</b>	No information available		
<b>flammability (solid, gas)</b>	No information available		
<b>Flammability limit in air</b>			
<b>Upper Flammability Limit</b>	No information available		
<b>Lower Flammability Limit</b>	No information available		
<b>vapor pressure</b>	No information available		
<b>Vapor Density</b>	No information available		
<b>Specific gravity</b>	>1		
<b>Water solubility</b>	No information available		
<b>Solubility in Other Solvents</b>	No information available		
<b>Partition coefficient: n-octanol/water</b>	No information available		
<b>Autoignition temperature</b>	No information available		
<b>decomposition temperature</b>	No information available		

Viscosity, kinematic	No information available
Dynamic viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available

**OTHER INFORMATION**

Softening point	No information available
molecular weight	No information available
VOC Content	No information available
density	No information available
Bulk density	14 lb/cu ft (loose)

**10. Stability and Reactivity****Reactivity**

no data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Conditions to avoid**

Extremes of temperature and direct sunlight.

**incompatible materials**

No materials to be especially mentioned.

**Hazardous decomposition products**

No information available.

**11. Toxicological Information****Information on Likely Routes of Exposure**

<b>Product information</b>	Vendex- Acute oral LD50(rat) = >5,000 mg/kg Dermal LD50 (rat) = >2,000 mg/kg Inhalation LC50 (rat) = 0.05 mg/L - 4hr Inhalation LC50 (rat) = 1.7 mg/L - 1hr  Skin irritation = Moderate to severe Eye irritation = Corrosive
<b>Inhalation</b>	Fatal if inhaled.
<b>Eye contact</b>	Causes irreversible eye damage.
<b>Skin contact</b>	May be harmful if absorbed through the skin.
<b>Ingestion</b>	HARMFUL IF SWALLOWED.

**Information on Toxicological Effects**

<b>Symptoms</b>	No information available.
-----------------	---------------------------

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>sensitization</b>	No information available.
<b>Mutagenic effects</b>	No information available.
<b>Carcinogenicity</b>	Fenbutatin oxide- The information provided below is for the active ingredient: Based on animal test results, no carcinogenic activity No genetic damage in bacterial or mammalian cells or in animals.

<p><b>Reproductive effects</b>  <b>STOT - Single Exposure</b>  <b>STOT - repeated exposure</b>  <b>Aspiration hazard</b></p>	<p>Tests in some animals indicate the active ingredient may cause developmental and reproductive toxicity but only at levels toxic to the adult animal.                  Not Available.                  No information available.                  No information available.                  No information available.</p>
--	--

**Numerical Measures of Toxicity - Product information**

<p><b>LD50 Oral</b>  <b>LD50 Dermal</b>  <b>LC50 Inhalation:</b></p>	<p>&gt; 5000 mg/kg (rat)                  &gt; 2000 mg/kg (rat)                  LC50/inhalation/4h/rat = 0.05 mg/l</p>
--	---

**12. Ecological Information**

This product contains a chemical which is listed as a severe marine pollutant according to DOT.

**ecotoxicity**

Fenbutatin oxide: 96 hr LC50  
 Bluegill sunfish = 0.0048 mg/L  
 Rainbow trout = 0.0066 mg/L

**Persistence/Degradability**  
 No information available.

**Bioaccumulation/ Accumulation**  
 No information available.

**Other Adverse Effects**  
 No information available

**13. Disposal Considerations**

**Waste Treatment Methods**

<p><b>Waste Disposal Method</b></p>	<p>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.</p>
-------------------------------------	--

<p><b>Contaminated packaging</b></p>	<p>Refer to product label.</p>
--------------------------------------	--------------------------------

**14. Transport Information**

<p><b><u>DOT</u></b>  <b>UN-No</b>  <b>Proper shipping name</b>  <b>Hazard class</b>  <b>Packing group</b>  <b>Marine Pollutant</b></p>	<p>UN2786                  Organotin pesticides, solid, toxic                  6.1                  PG II                  This product contains a chemical which is listed as a severe marine pollutant according to DOT.</p>
---	--

**ICAO**

<b>UN-No</b>	UN2786
<b>Proper shipping name</b>	Organotin pesticides, solid, toxic
<b>Hazard class</b>	6.1
<b>Packing group</b>	PG II

**IATA**

<b>UN-No</b>	UN2786
<b>Proper shipping name</b>	Organotin pesticides, solid, toxic
<b>Hazard class</b>	6.1
<b>Packing group</b>	PG II

**IMDG/IMO**

<b>UN-No</b>	UN2786
<b>Proper shipping name</b>	Organotin pesticides, solid, toxic
<b>Hazard class</b>	6.1
<b>Packing group</b>	PG II
<b>EmS No.</b>	F-A, S-A
<b>Marine Pollutant</b>	This product contains a chemical which is listed as a severe marine pollutant according to IMDG/IMO

## 15. Regulatory Information

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**signal word** DANGER!

**Ventilation Control** 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.

**Restricted Use Pesticide. Keep out of Reach of Children. Fatal if inhaled. Corrosive. Causes irreversible eye damage. Harmful if swallowed or absorbed through the skin. Toxic to birds, mammals, fish and aquatic invertebrates.**

**International Inventories**

<b>USINV</b>	Not determined
<b>DSL/NDSL</b>	Not determined
<b>EINECS/ ELINCS</b>	Does not comply
<b>ENCS</b>	Does not comply
<b>China</b>	Does not comply
<b>KECL</b>	Does not comply
<b>PICCS</b>	Does not comply
<b>AICS</b>	Does not comply
<b>TSCA</b>	Does not comply

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and and Title 40n of the Code of Federal Regulations, Part 372:

Chemical name	SARA 313 - Threshold Values
Bis(tris(2-methyl-2-phenylpropyl)tin)oxide - 13356-08-6	1.0

**SARA 311/312 Hazardous**

Categorization

Acute health hazard	yes
Chronic health hazard	NO
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CERCLA

SARA Product RQ 0

RCRA

Pesticide Information

State Regulations

State Right-to-Know

Chemical name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Bis(tris(2-methyl-2-phenylpropyl)tin)oxide		X			

International regulations

U.S. EPA Label information

EPA Pesticide registration number 70506-211

**16. Other Information**

NFPA HEALTH 2 flammability 1 Instability 0 Physical hazard -

Preparation Date 11-May-2015

Revision date 21-Sep-2015

Revision Summary

Update Section 16

Disclaimer

United Phosphorus, Inc. believes that the information and recommendations container herein (including data and statements) are accurate as of the date hereof. NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY, OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be valid where such product is used in combination with other materials or in any process. Further, since the conditions and methods of use are beyond the control of United Phosphorus, Inc. and United Phosphorus Inc. expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information.

**End of MSDS**