



# Safety Data Sheet

Preparation Date 11-May-2015

Revision date 18-Jun-2025

Revision Number: 7

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

### Identification of the product

Product Description Vendex 50 WP

### Other means of identification

Internal SDS code 12U-177  
UN/ID no UN2786  
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

UPL NA Inc.  
PO Box 12219  
Research Triangle Park, NC 27709-12219

### 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 and Drug Safety (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 - 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 characterisitc 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-%
Fenbutatin 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 a 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 data 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 data 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

Chemical name	ACGIH TLV	OSHA PEL
Fenbutatin Oxide	STEL: 0.2 mg/m <sup>3</sup> Sn TWA: 0.1 mg/m <sup>3</sup> Sn	(vacated) TWA: 0.1 mg/m <sup>3</sup> Sn (vacated) S*

**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

### 9.1 Information on basic physical and chemical properties

**Appearance** Off-white  
**Physical state** powder  
**Odor** No characterisitic odor  
**color** No information available

Property	VALUES	Remarks/ Method
pH		None known
Melting point/freezing point		None known
Boiling Point/Range		None known
Flash Point	No information available	None known
Evaporation Rate		None known
Flammability (solid, gas)		None known
Specific gravity	>1	None known
Bulk density	14 lb/cu ft (loose)	None known
Water solubility		None known
Solubility in Other Solvents	negligible	None known
Partition coefficient: n-octanol/water		None known
Autoignition temperature		None known
Decomposition temperature		None known

Viscosity

None known

## 9.2 OTHER INFORMATION

### 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 data available.

### 11. Toxicological Information

**Information on Likely Routes of Exposure****Product information**

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

**Inhalation**

Fatal if inhaled.

**Eye contact**

Causes irreversible eye damage.

**Skin contact**

May be harmful if absorbed through the skin.

**Ingestion**

Based on available data, the classification criteria are not met.

**Information on Toxicological Effects****Symptoms**

No information available.

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

No information available.

**Mutagenic effects**

no data available.

**Carcinogenicity**

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.  
Tests in some animals indicate the active ingredient may cause developmental and reproductive toxicity but only at levels toxic to the adult animal.

**Reproductive effects**

Not Available.

<b>STOT - Single Exposure</b>	no data available.
<b>STOT - Repeated Exposure</b>	no data available.
<b>Aspiration hazard</b>	No information available.

**Numerical Measures of Toxicity - Product information**

<b>LD50 Oral</b>	> 5000 mg/kg (rat)
<b>LD50 Dermal</b>	> 2000 mg/kg (rat)
<b>LC50 Inhalation</b>	0.05 mg/l

**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 data available.

**Bioaccumulation/ Accumulation**

No information available.

**Other Adverse Effects**

no data available

**13. Disposal Considerations****Waste Treatment Methods**

<b>Waste Disposal Method</b>	Pesticide wastes can be 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.
<b>Contaminated packaging</b>	Refer to product label.

**14. Transport Information**

<b><u>DOT</u></b>	When shipped non-bulk domestically (US) the Marine pollutant marking is not required.
<b>UN/ID 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>IMDG - Marine Pollutant</b>	This product contains a chemical which is listed as a severe marine pollutant according to DOT.
<b><u>TDG</u></b>	
<b>UN/ID 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>Marine Pollutant: Y or N [List</b>	This product contains a chemical which is listed as a marine pollutant according to TDG.

**Ingredient(s) with %]****ICAO**

UN/ID no	UN2786
Proper shipping name	Organotin pesticides, solid, toxic
Hazard class	6.1
Packing group	PG II

**IATA**

UN/ID no	UN2786
Proper shipping name	Organotin pesticides, solid, toxic
Hazard class	6.1
Packing group	PG II

**IMDG**

UN/ID no	UN2786
Proper shipping name	Organotin pesticides, solid, toxic
Hazard class	6.1
Packing group	PG II
EmS No.	F-A, S-A
Environmental hazards	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**

USINV	Not present
DSL/NDSL	Not present
EINECS/	Not Present
ELINCS	
ENCS	Not Present
China	Not Present
KECL	Not Present
PICCS	Not Present
AICS	Not Present
TSCA	Not Present

**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 Title 40 of the Code of Federal Regulations, Part 372:

**CERCLA**

Not applicable

**CERCLA**

**SARA Product RQ** 0

**RCRA****Pesticide Information**

Component	FIFRA - Restricted Use	FIFRA - Pesticide Product Other Ingredients	FIFRA - Listing of Pesticide Chemicals	California Pesticides - Restricted Materials
Fenbutatin Oxide 13356-08-6 ( 50 )			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
Fenbutatin Oxide - 13356-08-6		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 18-Jun-2025

**Revision Summary**

Update section 14 Added statement related to non-bulk domestic- Marine pollutant notation is not required.

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End of SDS