

**SECTION 1: PRODUCT and COMPANY IDENTIFICATION**

Product Name: **ZetaGard® LBT Insecticide** Date Prepared: 02/28/13  
 EPA Reg. No. 39039-20 Date Revised: 04/11/2018

Y-TEX Corporation For Health Safety Emergency Only, Call CHEM-TEL, Inc. (24 hours): 1-800-255-3924 US  
 1825 Big Horn Ave. 813-248-0585 International  
 Cody, WY 82414 Other Information Calls: 800-443-6401, 307-587-5515 (Y-TEX), (7:30am – 4:30pm MDT, Monday-Friday)

**General Use:** Dust treatment for control of darkling beetles (lesser mealworm) in poultry litter in chicken broiler and turkey grow-out houses.

**SECTION 2: HAZARDS IDENTIFICATION**

<b>GHS CLASSIFICATION:</b>		
<b>Health</b> Acute Toxicity: Category 4 (Inhalation) Respiratory: Category 1B Skin Irritation: No Skin Sensitization: No Eye: No	<b>Environmental</b> Acute Toxicity: <b>Extremely</b> toxic to fish and aquatic invertebrates Chronic Toxicity: Category 4	<b>Physical</b> None Known

**GHS LABEL:**



**SIGNAL WORD:**

**DANGER**

**HAZARD STATEMENTS:**

Symbols: Respiratory Sensitization, Exclamation - Acute Toxicity, Environmentally hazardous substance

<b>Hazard Statements</b>	<b>Precautionary Statements</b>
<b>DANGER</b>	
H332 Harmful if inhaled	P101 If medical advice is needed, have product container or label at hand.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.	P102 Keep out of reach of children.
H413 May cause long lasting harmful effects to aquatic life	P103 Read label before use.
	P261 Avoid breathing dust or vapors.
	P271 Use only outdoors or in a well-ventilated area.
	P273 Avoid release to the environment.
	P284 In case of inadequate ventilation, can wear NIOSH approved dust respirator.
	P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	P312 Call a Poison Control Center or doctor if you feel unwell.
	P342+P311 If experiencing respiratory symptoms, call a poison control center or doctor.
	P501 Dispose of contents by completely emptying container. Non-refillable container. Do not reuse. Dispose of empty container in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Hazardous Ingredients:	Concentration (w/w)		CAS Number
	%	g/kg	
Zeta-cypermethrin (2S) S-Cyano (3-phenoxyphenyl) methyl (±) cis/trans 3-(2,2-dichloroethenyl)-2,2 dimethylcyclopropane-carboxylate* *Cis/trans ratio: Max. 75% (±) cis and min. 25% (±) trans	0.375%	3.75	52315-07-8
Piperonyl Butoxide (butylcarbityl)(6-propylpiperonyl) ether and related compounds	0.750%	7.50	51-03-6

**SECTION 4: FIRST AID**

**Eye Contact:** Eye contact may cause mild irritation. Avoid eye contact. If contacted, hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. If irritation persists, seek medical attention.

**Skin Contact:** Wash skin immediately and thoroughly with soap and water for 15-20 minutes after contact. Take off contaminated clothing.

**Ingestion:** May be harmful if swallowed. 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. Do not give anything by mouth to an unconscious person.

**Inhalation:** No apparent hazard with normal use. Move person to fresh air.

**Other Information:** This product contains zetacypermethrin, a pyrethroid insecticide, and piperonyl butoxide, technical, a mixed-function oxidase inhibitor.

**SECTION 5: FIRE FIGHTING MEASURES**

**Flash Point (method):** Not applicable **Autoignition Temperature:** Not applicable

**LEL:** Not applicable **UEL:** Not applicable

**Flammability Classification:** Not applicable **Extinguishing Media:** CO<sub>2</sub> foam or dry chemical.

**Hazardous Combustion Products:** Not applicable. May burn initially, but will not sustain combustion. This product does not contain any combustible liquids.

**Unusual Fire or Explosion Hazards:** Product contains dust particles that may be explosive if mixed with air in critical proportions and in the presence of a source of ignition. Maintain normal good housekeeping for control of dust. Toxic product vapor concentrations can be produced. At high temperatures, product decomposition can release hydrogen chloride.

**Fire-Fighting Instructions/Equipment:** Wear self contained breathing apparatus and full protective clothing. Runoff must be contained due to fish toxicity.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

Use recommended personal protective equipment (see Section 8).

**Small Spill:** Wear clean, protective clothing: long-sleeved coveralls or uniforms, rubber gloves, goggles and dust mask. Shovel waste into metal or fiberboard drums. Avoid prolonged or repeated breathing of powder dust. Avoid contact with skin or eyes.

**Large Spill:** Same as small spill. Keep product out of sewers and water courses. Advise authorities if product has entered or may enter sewers, watercourses or extensive land areas.

**SECTION 7: HANDLING AND STORAGE**

**Handling Precautions:** Applicators and other handlers must wear: long-sleeved shirt and long pants; chemical-resistant gloves made of any waterproof material; and shoes and socks. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or the toilet. Do not contaminate water by cleaning of equipment or disposal of wastes. This pesticide is **extremely** toxic to fish and aquatic invertebrates.

**Storage Requirements:** Store in cool, dry place. Do not contaminate feed or foodstuffs by storage or disposal.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****EXPOSURE LIMITS: Component U.S. OSHA PEL ACGIH TLV**

Eye/Face Protection: None required. Can wear tight fitting goggles, safety glasses or other equivalent protective gear.  
 Skin Protection: Applicators and other handlers must wear: long-sleeved shirt and long pants; chemical-resistant gloves made of any waterproof material; and shoes and socks.  
 Respiratory Protection: None required. Can wear NIOSH approved dust respirator where dust exposure by inhalation may occur.  
 Engineering Controls: Do not apply with power duster equipment. Do not enter or allow others to enter until dusts have settled.  
 Administrative Controls: Use this product only as specified on the label.  
 Other Information: See Section 7

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance/Physical State: Off-white powder and light brown granule  
 Odor: Odorless  
 pH: Not applicable  
 Boiling Point: Not applicable  
 Evaporation Rate: Not applicable  
 LEL: Not applicable  
 Vapor Pressure (mm Hg): Not applicable  
 Relative Density: Pour density = 0.881, Tap density = 1.191, Bulk density 75.5 lb/ft<sup>3</sup>  
 Solubility in Water: Virtually insoluble  
 Coefficient of Water/Oil solubility: Not applicable  
 Autoignition temperature: Not applicable  
 V.O.C.: Not applicable  
 Odor Threshold (ppm): Not applicable  
 Melting Point: Not applicable  
 Flash Point: Not applicable  
 Flammability (solid, gas): Solid, nonflammable  
 UEL: Not applicable  
 Vapor Density (Air = 1): Not applicable  
 Decomposition temperature: Not applicable

**SECTION 10: STABILITY AND REACTIVITY**

Chemical Stability: Stable  
 Hazardous Polymerization: Will not occur  
 Conditions to Avoid: Do not use or store near heat or open flame  
 Chemicals to Avoid: Oxidizing materials  
 Hazardous Decomposition Products: Carbon monoxide and/or carbon dioxide. Chlorine & hydrogen chloride may be formed.

**SECTION 11: TOXICOLOGICAL INFORMATION**Acute Effects

Inhalation: Acute inhalation =>2.00 mg/L (male and female rats). Avoid breathing dust. Excess inhalation of dust may cause hyperactivity, hypersensitivity and pulmonary problems  
 Skin: Slightly irritating. Acute dermal LD<sub>50</sub>>5000 mg/kg (male and female rats). Avoid contact with skin & clothing. Wash thoroughly with soap and water. Get medical attention if irritation occurs and persists.  
 Ingestion: Acute oral LD<sub>50</sub>=5000 mg/kg (female rat). Harmful if swallowed.  
 Eyes: Minimal irritation (rabbits). Avoid contact. Flush thoroughly with water. If irritation occurs and persists, contact physician.

Chronic Effects

Eyes: Not determined  
 Ingestion: Not determined  
 Skin: Not determined  
 Inhalation: Not determined  
 Carcinogenicity: Not applicable  
 Target Organ Effects: Not applicable  
 Medical Conditions Aggravated by Long-term Exposure: None presently known  
 Other Information: Does not flash. May burn initially, but will not sustain combustion.  
 Sensitization to Product: Not considered to be a contact sensitizer (guinea pigs). May cause skin sensations (feel numbing and tingling) in certain individuals. Excess inhalation of dust may cause hyperactivity, hypersensitivity and pulmonary problems.  
 Irritancy of Product: Minimal

**SECTION 12: ECOLOGICAL INFORMATION**

This pesticide is **extremely** toxic to fish and aquatic invertebrates. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not apply treated poultry litter to forest lands. If treated poultry litter is to be land applied (e.g. agronomic, horticultural, compost, or other purposes), this product must be used in accordance with a comprehensive nutrient plan (CNMP) or within state or local requirements. Do not apply treated poultry litter to forest lands.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Do not contaminate feed or foodstuffs by storage or disposal. Store in cool, dry place.  
**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.  
**Container Disposal:** Non-refillable container. Do not reuse or refill this container. Completely empty container into application equipment, then dispose of empty container in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**SECTION 14: TRANSPORT INFORMATION**

UN Number: None  
 UN Proper Shipping Name: See Sections 1 and 3 for product name and chemical names  
 Transport Hazard Class(es): Non-hazardous material  
 Packing group, if applicable: NA  
 Marine Pollutant: No

**SECTION 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:

**CAUTION**

Harmful if swallowed. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or the toilet. Wear long sleeved shirt and long pants, socks, shoes and gloves.

**SECTION 16: OTHER INFORMATION**

Revision date: 04/11/2018

USA EPA Reg. No.: 39039-20; USA Establishment No.: 39578-TX-1  
 Republica Dominicana Reg. No. 9430

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