

SECTION 1: PRODUCT and COMPANY IDENTIFICATION

Product Name: **ZetaGard™ LBT Insecticide** Date Prepared: 02/28/13
 EPA Reg. No. 39039-20 Date Revised: 10/23/14

Y-TEX Corporation For Health Safety Emergency Only, Call CHEM-TEL, Inc.: 1-800-255-3924 (24 hours)
 1825 Big Horn Ave., PO Box 1450 Other Information Calls: 800-443-6401, 307-587-5515 (Y-TEX)
 Cody, WY 82414 (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

GHS CLASSIFICATION:

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

GHS LABEL:



SIGNAL WORD:

DANGER

HAZARD STATEMENTS:

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

Hazard Statements	Precautionary Statements
DANGER	
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
LEL: Not applicable
Flammability Classification: Not applicable
Autoignition Temperature: Not applicable
UEL: Not applicable
Extinguishing Media: CO₂ 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	Odor Threshold (ppm):	Not applicable
pH:	Not applicable	Melting Point:	Not applicable
Boiling Point:	Not applicable	Flash Point:	Not applicable
Evaporation Rate:	Not applicable	Flammability (solid, gas):	Solid, nonflammable
LEL:	Not applicable	UEL:	Not applicable
Vapor Pressure (mm Hg):	Not applicable	Vapor Density (Air = 1):	Not applicable
Relative Density:	Pour density = 0.881, Tap density = 1.191, Bulk density 75.5 lb/ft ³		
Solubility in Water:	Virtually insoluble		
Coefficient of Water/Oil solubility:	Not applicable		
Autoignition temperature:	Not applicable	Decomposition temperature:	Not applicable
V.O.C.:	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 ₅₀ >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 ₅₀ =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	Skin:	Not determined
Ingestion:	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

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