

Y-TEX® Corporation

SAFETY DATA SHEET

SECTION 1: PRODUCT and COMPANY IDENTIFICATION

Product Name: ZetaGard™ LBT Insecticide
EPA Reg. No. 39039-20

Date Prepared: 02/28/13
Date Revised:

Y-TEX Corporation
1825 Big Horn Ave., PO Box 1450
Cody, WY 82414

For Health Safety Emergency Only, Call CHEM-TEL, Inc.: 1-800-255-3924
Other Information Calls: 800-443-6401, 307-587-5515 (Y-TEX)

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

Potential Health Effects: **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 3: COMPOSITION/INFORMATION ON INGREDIENTS

	U.S. OSHA PEL	ACGIH TLV	Concentration (w/w) %	g/kg	CAS Number
Hazardous Ingredients:					
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 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: 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 fibreboard 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

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 INFORMATIONAcute 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 LD₅₀>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 LD₅₀=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.

SECTION 11: TOXICOLOGICAL INFORMATION (continued)

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: 2/28/13

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The information contained herein is based on data available to us and is accurate and reliable to the best of our knowledge and belief. However, Y-TEX Corporation makes no representations as to its completeness or accuracy. Information is supplied on condition that persons receiving such information will make their own determination as to its suitability for their purposes prior to use. In no event will Y-TEX Corporation be responsible for damages of any nature whatsoever resulting from the use of or reliance upon the information contained herein.