

SAFETY DATA SHEETS

This SDS packet was issued with item:

078912599

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

078912600 078912601 078912602 078912603 078912604

Y•TEX CORPORATION

Material Safety Data Sheet

PRODUCT NAME: Y-TEX™ Insecticide Ear Tag

REGISTRATION NOS.: U.S.A., EPA Reg. No.: 39039-6 Australia, APVMA Reg. 51524

SECTION 1 - MANUFACTURER

| | | |
|----------------------|---------------------------------|------------------------------------|
| Manufacturer's | | |
| Name | Y-TEX Corporation | |
| Address | 1825 Big Horn Ave., PO Box 1450 | For Health Safety Emergency Only |
| | | 800-255-3924 CHEM-TEL, INC. |
| City, State, and ZIP | Cody, WY 82414 | Other Information Calls |
| | | 800-443-6401, 307-587-5515 (Y-TEX) |
| Date Prepared | Date Revised | U.S. EPA Establishment No. |
| 1/25/95 | 02/11/2005 | 39039-WY-01 |

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

| Hazardous Component(s) (chemical & common name(s)) | U.S. OSHA PEL | ACGIH TLV | CAS No. | %, w/w (optional) |
|---|---------------------------|------------------|-----------|-------------------|
| ACTIVE INGREDIENT: | | | | |
| Diazinon (organophosphate) 0,0-diethyl-0-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate | | 0.1 mg/m³ (skin) | 333-41-5 | 30.0% |
| | Nuisance Material (inert) | 15 mg/m³ | 10 mg/m³ | 4.2% |
| | | | | |
| Chlorpyrifos (organophosphate) [0, 0-diethyl 0-(3,5,6-trichloro-2-pyridinyl) phosphorothioate] | (TWA 0.2mg/m³) | | 2921-88-2 | 10.0% |

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

| | | | | | |
|-----------------------|---|---------------------------------------|----------------------|--|--|
| Boiling Point | Not Applicable | Specific Gravity (H ₂ O=1) | 1.18 | Vapor Pressure (mm Hg) | |
| | | | | Diazinon a.i.: 2 x 10 ⁻⁴ @ 20C | |
| | | | | Chlorpyrifos a.i.: 1.87 x 10 ⁻⁵ @ 20C | |
| Vapor Density (Air=1) | Not Applicable | | | | |
| Solubility in Water | Essentially Insoluble | Reactivity in Water | None | | |
| | (Diazinon = 40 ppm; Chlorpyrifos = 1.2 ppm @ 20C) | | | | |
| Appearance and Odor | Green ear tag; | Melting Point | About 150°C (302°F.) | | |
| | Mild mercaptan, sulfur-like odor | | | | |

SECTION 4 - FIRE & EXPLOSION DATA

| Flash Point | NA | F. | C. | Method Used | Flammable Limits in Air % by Volume | LEL Lower | UEL Upper | Not Determined |
|------------------------------------|----|----|----------------|---|-------------------------------------|---|-----------|----------------|
| Auto-Ignition Temperature | | | Not Determined | | Extinguisher Media | Large fire: Water fog; foam. Small fire: CO ₂ ; Dry chemical. Minimize water use and contain runoff. | | |
| Special Fire Fighting Procedures | | | | Wear protective clothing including rubber gloves and boots and self-contained air supply (SCBA) Remain upwind if possible. Runoff must be contained due to fish toxicity. | | | | |
| | | | | | | | | |
| Unusual Fire and Explosion Hazards | | | | If fire seriously threatens large storage of tags, personnel should evacuate the area as toxic and irritating gases may be formed. | | | | |
| | | | | | | | | |

SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

| | | | | | |
|--------------------------------------|--|------------|---|--|--|
| Stability | Unstable <input type="checkbox"/> | Conditions | Do not use or store near heat or open flame. Lengthy storage at high temperatures will promote migration of active ingredients out of tags, thus reducing activity. | | |
| | Stable <input checked="" type="checkbox"/> | to Avoid | | | |
| Incompatability (Materials to Avoid) | | | None Known | | |
| Hazardous Decomposition Products | | | Thermal decomposition products include but are not limited to various aliphatic organophosphates, substituted pyrimidines, hydrogen cyanide, CO & CO ₂ . HCl, phosgene, and chlorine gases are possible combustion products. | | |
| | | | | | |
| Hazardous Polymerization | May Occur <input type="checkbox"/> | Conditions | | | |
| | Will Not Occur <input checked="" type="checkbox"/> | to Avoid | | | |

SECTION 6 - HEALTH HAZARDS (SIGNAL WORD: WARNING)

| | | | | | | |
|---|--------------------------|--|--|---------------------|---|---|
| 1. Acute | Low single dose toxicity | | 2. Chronic | | Not Determined | |
| Acute oral LD ₅₀ > 250 mg/kg (rat). Acute dermal LD ₅₀ > 5050 mg/kg (rabbit). | | | | | | |
| Signs and Symptoms of Exposure | | Diazinon and chlorpyrifos are cholinesterase inhibitors. Overexposure may produce any of the following possible symptoms: headache, giddiness, blurred vision, weakness, nausea, cramps, diarrhea, discomfort in chest, nervousness, sweating, constricted pupils, tearing and salivation. | | | | |
| Medical Conditions Generally Aggravated by Exposure | | None Presently Known. | | | | |
| Chemical Listed as Carcinogen | | National Toxicology Program (National Cancer Institute) | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> | I.A.R.C. Monographs | Yes <input type="checkbox"/> No <input type="checkbox"/> | OSHA Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| Emergency and First-Aid Procedures | | If allergic skin irritation occurs, wash thoroughly with soap and water and seek medical attention. If overexposure symptoms occur, call a physician immediately. Note to physician: Atropine by injection is antidotal. 2-PAM may also be given, but only in conjunction with atropine. | | | | |
| ROUTES OF ENTRY | 1. Inhalation | No apparent hazard with normal outdoor use. | | | | |
| | | Acute inhalation LC ₅₀ (diazinon, rat) = 3.5 mg/L (4 hours). | | | | |
| | 2. Eyes | Eye contact may cause mild irritation. Avoid rubbing tags in eyes. If contacted, flush with plenty of water. | | | | |
| | 3. Skin | Avoid skin contact by wearing disposable plastic gloves. Wash thoroughly with soap & water after use. | | | | |
| | 4. Ingestion | May be harmful if swallowed. If part of tag is swallowed, may induce vomiting by giving two glasses of water and sticking finger down throat. Call physician. | | | | |

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

| | | | | | |
|--|---|--|--|--|--|
| Precautions to be Taken in Handling and Storage | Wear clean, washable or disposable gloves daily when applying tags. Wash thoroughly with soap and water after handling and before eating or smoking. Avoid contamination of food, feedstuffs or water. Toxic to fish. | | | | |
| Other Precautions | Store in cool place away from direct sunlight. | | | | |
| Waste Disposal Methods (Consult federal, state, and local regulations) | Remove tags before animal slaughter. Securely wrap used tags in a plastic bag or several layers of newspaper and discard in trash. Do not reuse tag container. Discard in trash. | | | | |

SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

| | | | | | |
|--|----------------------------|----------------------|----------------|---------------|--|
| Respiratory Protection (Specify Type) | None required | | | | |
| Ventilation | Local Exhaust | Mechanical (General) | Special | Other | |
| Protective Gloves | Disposable plastic gloves. | | Eye Protection | None required | |
| Other Protective Clothing or Equipment | None Required | | | | |
| Work/Hygienic Practices | See Section 7 | | | | |

Y-TEX Corporation, 1825 Big Horn Ave., Cody, Wyoming 82414, U.S.A.

SECTION 1: PRODUCT and COMPANY IDENTIFICATION

Product Name: **Warrior™ Insecticide Cattle Ear Tag**
EPA Reg. No. 39039-6

Date Prepared: 1/27/94
Date Revised: 1/5/17

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

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

General Use: End-use insecticide ear tag for cattle

SECTION 2: HAZARDS IDENTIFICATION**GHS CLASSIFICATION:**

| <u>Health</u> | | <u>Environmental</u> | <u>Physical</u> |
|---------------------|-------------------|---|-----------------|
| Acute Toxicity: | Category 4 (Oral) | Acute Toxicity: Unknown, See Section 12 | None Known |
| Skin Irritation: | No | Chronic Toxicity: Category 4 | |
| Skin Sensitization: | No | | |
| Eye: | No | | |

GHS LABEL:



SIGNAL WORD:

WARNING

HAZARD STATEMENTS:

Symbols: Exclamation – acute toxicity, Environmentally hazardous substance

| <u>Hazard Statements</u> | <u>Precautionary Statements</u> |
|---|---|
| WARNING | |
| H302 Harmful if swallowed | P101 If medical advice is needed, have product container or label at hand |
| H413 May cause long lasting harmful effects to aquatic life | P102 Keep out of reach of children |
| | P103 Read label before use |
| | P264 Wash thoroughly with soap and water after handling |
| | P270 Do not eat, drink or smoke when using this product |
| | P273 Avoid release to the environment |
| | P301+P312 IF SWALLOWED: Do not induce vomiting unless told to do so by a poison control center or physician. Do not give anything by mouth to an unconscious person. Call a physician if you feel unwell. |
| | P330 Rinse mouth |
| | P501 Dispose of contents by securely wrapping and discarding in trash. Non-refillable container. Do not reuse. Discard in trash or offer for recycling. |

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous Ingredients: | Concentration (w/w) | | CAS Number |
|--|---------------------|------|------------|
| | % | g/kg | |
| Diazinon 0,0-diethyl-0-(2-isopropyl-6-methyl-4-pyrimidinyl) Phosphorothioate | 30.0% | 300 | 333-41-5 |
| Nuisance material (inert) | 4.2% | 42 | |
| Chlorpyrifos [0,0-diethyl-0-(3,5,6-trichloro-2-pyridinyl) phosphorothioate] | 10.0% | 100 | 2921-88-2 |

SECTION 4: FIRST AID

Eye Contact: Eye contact may cause mild irritation. Avoid eye contact with tags or used gloves. If contacted, flush with plenty of water.

Skin Contact: Avoid skin contact by wearing chemical-resistant gloves made of rubber or any waterproof material (thickness equal to or greater than 14 mils). Wash skin thoroughly with soap and water after use. If allergic skin irritation occurs, wash thoroughly with soap and water and seek medical attention.

Ingestion: May be harmful if swallowed. 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. Call physician.

Inhalation: No apparent hazard with normal outdoor use when following instructions on label.

Other Information: Diazinon and chlorpyrifos are cholinesterase inhibitors. Overexposure may produce any of the following possible symptoms: headache, giddiness, blurred vision, weakness, nausea, cramps, diarrhea, discomfort in chest, nervousness, sweating, constricted pupils, tearing and salivation. If overexposure symptoms occur, call a physician immediately. Note to physician: Diazinon and chlorpyrifos are organophosphate insecticides. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidotal. 2-PAM is also antidotal and may also be administered, but only in conjunction with atropine.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point (method): Not Applicable Autoignition Temperature: Not Determined LEL: Not Applicable UEL: Not Applicable

Flammability Classification: Not Applicable

Extinguishing Media: Large fire: water fog or foam. Small fire: CO₂ or dry chemical. Minimize water use and contain runoff.

Hazardous Combustion Products: Thermal decomposition products include but are not limited to various aliphatic organophosphates, substituted pyrimidines, hydrogen cyanide, CO & CO₂. HC1, phosgene and chlorine gases are possible combustion products.

Unusual Fire or Explosion Hazards: If fire seriously threatens large storage of tags, personnel should evacuate the area as toxic and irritating gases may be formed.

Fire-Fighting Instructions/Equipment: (For a large quantity of product) Wear protective clothing including rubber gloves and boots and self-contained air supply (SCBA). Remain upwind if possible. Runoff must be contained due to fish toxicity.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Use recommended personal protective equipment (see Section 8). Small Spill: Solid product. Not applicable. Large Spill: Solid product. Not applicable.

SECTION 7: HANDLING AND STORAGE

Handling: Keep out of reach of children. May be harmful if swallowed. Harmful if inhaled or absorbed through skin. Causes moderate eye irritation.

Precautions: Avoid contact with eyes, skin or clothing. Avoid breathing vapors. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Wear chemical-resistant gloves made of rubber or any waterproof material (thickness equal to or greater than 14 mils) when applying tags.

Storage Requirements: Store in original container in a cool place away from direct sunlight. Opened bags containing ear tags should be resealed for storage.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

| EXPOSURE LIMITS: | Component | U.S. OSHA PEL | ACGIH TLV |
|--------------------------|--|--|----------------------------------|
| | Diazinon | | 0.1 mg/m ³ (skin) |
| | Nuisance material (inert) | 15 mg/m ³ | 10 mg/m ³ |
| | Chlorpyrifos | (TWA 0.2 mg/m ³) | |
| Eye/Face Protection: | None required | Skin Protection: Chemical-resistant gloves made of rubber or any waterproof material | |
| Respiratory Protection: | None required | Engineering Controls: | None required |
| 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: | Solid, molded plastic ear tag, green color | | |
| Odor: | Mild, mercaptan, sulfur-like odor | Odor Threshold (ppm): | Not applicable |
| Boiling Point: | Not applicable | pH: | Not applicable |
| Melting Point: | Approx. 150°C (302°F) | Boiling Point: | Not applicable |
| Flash Point: | Not applicable | Evaporation Rate: | Not applicable |
| Flammability (solid, gas): | Solid, nonflammable | LEL: | Not applicable |
| Vapor Pressure (mm Hg): | 2 x 10 ⁻⁴ for diazinon at 20°C; 1.87 x 10 ⁻⁵ for chlorpyrifos at 20°C | UEL: | Not applicable |
| Vapor Density (Air = 1): | Not applicable | Relative Density: | 1.18 g/cc (15 g/tag) |
| Specific Gravity (H ₂ O = 1): | Not applicable | | |
| Solubility in Water: | Essentially insoluble (Diazinon = 40 ppm at 20°C; Chlorpyrifos = 1.2 ppm at 20°C) | | |
| 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 store near heat or open flame. Lengthy storage at high temperatures will promote the migration of active ingredients out of tags, potentially reducing activity. | | |
| Chemicals to Avoid: | None known | | |
| Hazardous Decomposition Products: | Thermal decomposition products include but are not limited to various aliphatic organophosphates, substituted pyrimidines, hydrogen cyanide, CO & CO ₂ . HC1, phosgene and chlorine gases are possible combustion products. | | |

SECTION 11: TOXICOLOGICAL INFORMATIONAcute Effects:

| | | | |
|-------------|---|--|--|
| Eyes: | Eye contact may cause mild irritation. Avoid rubbing tags in eyes. If contacted, flush with plenty of water. | | |
| Skin: | Acute dermal LD ₅₀ >5050 mg/kg (male & female albino rabbits). Skin irritant: No (albino rabbits). Skin sensitizer: No (guinea pigs). Avoid skin contact by wearing chemical-resistant gloves made of rubber or any waterproof material (thickness equal to or greater than 14 mils). Wash thoroughly with soap & water after use. | | |
| Ingestion: | Acute oral LD ₅₀ >500 mg/kg (rats, estimated for whole tag). May be harmful if swallowed. Do not store near food products. | | |
| Inhalation: | Acute inhalation LC ₅₀ (diazinon, rat) = 3.5 mg/L (4 hrs.) (data on active ingredient). No apparent hazard with normal outdoor use. | | |

Chronic Effects

| | | | |
|-------------|----------------|--|--|
| Eyes: | Not Determined | Carcinogenicity: | None known |
| Skin: | Not Determined | Target Organ Effects: | Not Determined |
| Ingestion: | Not Determined | Medical Conditions Aggravated by Long-term Exposure: | None presently known |
| Inhalation: | Not Determined | Sensitization to Product: | Skin-No (guinea pigs) Irritancy of Product: Skin – No (albino rabbits) |

SECTION 12: ECOLOGICAL INFORMATION

This product is highly toxic to fish, birds, and other wildlife. Do not apply directly to water. Do not contaminate water by disposal of used tags. Use this product only as specified on the label.

SECTION 13: DISPOSAL CONSIDERATIONS

| | | | |
|---------------------|---|--|--|
| Pesticide Disposal: | Remove tags before animal slaughter. Securely wrap used tags in a plastic bag and discard in trash. Do not reuse tag container. Discard in trash. | | |
| Container Disposal: | Non-refillable container. Do not reuse bag. Discard bag in trash, or offer for recycling if available. | | |

SECTION 14: TRANSPORT INFORMATION

| | | | |
|------------------|---|--|--|
| U.S. DOT: | UN 3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Diazinon mixture), Class 9, PG III, Limited Quantity | | |
| IATA: | UN 3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Diazinon mixture), Class 9, PG III, Limited Quantity | | |
| IMO/IMDG: | UN 3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Diazinon mixture), Class 9, PG III, Limited Quantity, Marine Pollutant | | |

SECTION 15: REGULATORY INFORMATION

Diazinon and Chlorpyrifos are on the U.S. EPA's Section 313 TRI Reporting list

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:

WARNING. May be fatal if swallowed. Harmful if inhaled, or absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Avoid breathing vapors. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse. Do not contaminate food or feed.

NOTE TO PHYSICIAN: Diazinon and chlorpyrifos are organophosphate insecticides. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidotal. 2-PAM is also antidotal and may be administered, but only in conjunction with atropine.

SECTION 16: OTHER INFORMATION

Revision date: 1/5/17 USA EPA Reg. No.: 39039-6; USA Establishment No.: 39039-WY-01

Argentina, Cert. No. 99.230
Colombia, Reg. ICA No. 5454-DB

Australia, APVMA Reg. No. 51524
Uruguay, nro. A-3588

Brazil, Lic. Min. Agri. No. 8.253
Venezuela N° Registro P.I. 10.780

Chile, Reg. SAG No. 1561

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