

# Y-TEX CORPORATION

## Material Safety Data Sheet

PRODUCT NAME: Y-TEX® Co-Ral® Livestock Dust  
EPA Reg. No.: 39039-15

### SECTION 1 -

Manufacturer's

Name	Y-TEX Corporation	For Health Safety Emergency Only
Address	1825 Big Horn Ave., PO Box 1450	800-255-3924 CHEM-TEL, INC.
City, State, and ZIP	Cody, WY 82414	Other Information Calls
Date Prepared	7/21/05	800-443-6401, 307-587-5515 (Y-TEX)
Date Revised	1/3/06	

### SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

Hazardous Component(s) (chemical & common name(s))	OSHA PEL	CAS No.	%(Optional)
<b>ACTIVE INGREDIENTS:</b>			
<b>Coumaphos</b>	NA	56-72-4	1.00%
0,0-diethyl 0-(3-chloro-4-methyl-2-oxo-2H-1-benzopyran-7-yl) phosphorothioate			
<b>Inert Ingredients</b>			99.00%
(Contains some nuisance dust particles with a recommended threshold limit value of 10 mg/m3)			

Chemical Family: Organophosphate Insecticide

SARA Title III Hazard Category: Immediate: Y; Delayed: N; Fire: N; Reactive: N; Sudden release of pressure: N

This product contains the following substances which are regulated under SARA, Title III, Sect. 313: NONE

### SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point	Not Applicable	Bulk Density	25-27 lb/cu. ft.	Vapor Pressure (mm. of Mercury)	Not applicable
Vapor Density (Air=1)	Not Applicable	Percent Volatile (by volume)	Not applicable	Specific Gravity (Water = 1)	Not applicable
Solubility in Water	Virtually Insoluble	Evaporation Rate (Butyl Acetate = 1)	Not applicable		
Appearance and Odor	Off-white powder with a sulfur-like odor	Melting Point	Not applicable		

### SECTION 4 - FIRE & EXPLOSION DATA

Flash Point	Not applicable, Does not flash	Method	Flammable Limits	LEL	UEL
	F. C.	Used	in Air % by Volume	Lower	Upper
Auto-Ignition Temperature	NA	Extinguisher Media	Considered non-combustible; use medium appropriate to surrounding fire. Dry chemical, CO <sub>2</sub> , foam, water spray or fog.		
Special Fire Fighting Procedures	Smoke and fumes from fire may contain hazardous components. Use self-contained breathing apparatus and full protective clothing.				
Unusual Fire and Explosion Hazards	Dust may present explosion hazard. If water is used to fight fire or cool containers, contain run-off by diking to prevent contamination of water supplies.				

### SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

Stability	Unstable <input type="checkbox"/>	Conditions	
	Stable <input checked="" type="checkbox"/>	to Avoid	Excessive heat.
Incompatibility (Materials to Avoid)	Strong oxidizers and alkalis (bases)		
Hazardous Decomposition Products	Chlorine-containing compounds and phosphorus-containing compounds. Incomplete combustion may lead to formation of carbon monoxide and/or other asphyxiants.		
Hazardous Polymerization	May Occur <input type="checkbox"/>	Conditions	
	Will Not Occur <input checked="" type="checkbox"/>	to Avoid	None known

**SECTION 6 - HEALTH HAZARDS (SIGNAL WORD: CAUTION)**

1. Acute

2. Chronic

Not Determined

Acute oral LD<sub>50</sub> (rat): 13 mg/kg; Acute dermal LD<sub>50</sub> (rabbit): 500 mg/kg; Acute inhalation LD<sub>50</sub> (rat): 303 mg/kg.

Signs and Symptoms of Exposure Dermal and inhalation most likely routes of entry. Product is a cholinesterase inhibitor and can cause depressed ChE activity, headache, blurred vision, non-reactive pin-point pupils, weakness, excessive salivation, sweating, nausea, vomiting, diarrhea, and abdominal cramps. Severe overexposure may lead to muscular fibrillation, pulmonary edema, convulsions, possible cardiac arrest and death.

Medical Conditions Generally Aggravated by Exposure Persons with depressed cholinesterase levels or hemolytic anemias, or who are under treatment with morphine, theophylline, aminophylline or phenothiazine drugs may show pronounced effects from exposure to this product. Chronic exposure evaluation should be similar to that of pneumoconiosis.

Chemical Listed as Carcinogen or Potential Carcinogen	National Toxicology Program	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	I.A.R.C. Monographs	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	OSHA	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
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Emergency and First Aid Procedures **NOTE TO PHYSICIAN: Coumaphos is an organophosphate insecticide. 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.**

ROUTES OF ENTRY	1. Inhalation	Remove victim to fresh air. Apply artificial respiration if indicated. Get medical attention if victim displays signs of poisoning.
	2. Eyes	Flush with running water for at least 15 minutes while holding eyelids open to help flush out material. Get medical attention.
	3. Skin	Remove all contaminated clothing. Wash skin and hair thoroughly with soap and water. Wash clothing before reuse. If irritation persists, get medical attention.
	4. Ingestion	Drink 1 or 2 glasses of water and induce vomiting. Never induce vomiting or give anything by mouth to an unconscious person. Keep head lower than chest to avoid aspiration into lungs. Call physician immediately.

**SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES**

Precautions to be Taken Store in a cool, dry place away from children, domestic animals, food and feed products, seed and fertilizer.

in Handling and Storage Do not contaminate other stored products or the storage area by handling or storage of this product. Immediately clean up any spills which occur during handling and storage.

Other Precautions Do not contaminate water supplies by handling or storage of product, cleaning of equipment or disposal of wastes. Keep work and storage areas clean. Toxic to fish and other aquatic organisms. Read and follow precautionary measures on product label.

Steps to be Taken in Case Material is Released or Spilled Contain spill; vacuum or scoop and sweep up and place in container for disposal. Decontaminate area by washing with strong household bleach solution and absorb liquids by covering with clay or other absorbent material and dispose of as described above.

Waste Disposal Methods (Consult federal, state, and local regulations) Material which cannot be used at the site should be disposed of in an approved waste disposal facility following all applicable Federal, State and Local regulations. Completely empty container into application equipment, then dispose of empty container in a sanitary landfill. If allowed by state and local authorities, empty containers may be burned. If burned, stay out of smoke. Do not contaminate water supplies by disposal of wastes or containers.

**SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES**

Respiratory Protection (Specify Type) Not normally required. If dusts may exceed acceptable levels, wear MSHA/NIOSH approved respirator or mask for protection against pesticide dusts.

Ventilation: Local Exhaust	Recommended for work in confined areas.	Mechanical (General) Use if ventilation is not adequate	Special Not normally required	Other Work in a well-ventilated area
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Protective Gloves	Work gloves or impervious gloves recommended.	Eye Protection	Chemical goggles or shielded safety glasses recommended.
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Other Protective Clothing or Equipment Wear clothing consistent with good practices for handling and applying pesticides. Wash used clothing before reuse.

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