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1. IDENTIFICATION

Product name: SPRINGER™ Systemic Antibiotic
Chemical Name: Systemic Antibiotic

2. HAZARD IDENTIFICATION



WARNING

Symptom of Exposure: Harmful if swallowed. Avoid contact with skin or clothing. Causes moderate eye irritation. Thoroughly wash with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Wear long-sleeved shirt and long pants, socks, shoes and chemical-resistant gloves (such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride (PVC), Viton, Selection Category C). Avoid contact with eyes or clothing. Wear protective eyewear such as goggles or shielded safety glasses. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

Routes of Entry: Ingestion, eye contact and skin.

Chronic/Subchronic Toxicity: Gastrointestinal irritation with nausea, epigastric pain and burning, vomiting, abdominal pain, transitory yellowish-brown discoloration of the tongue, anorexia and diarrhea has been reported following oral administration. Blood disorders (delay in coagulation) have been reported. Possible hypersensitization and super-infections due to overgrowth of organisms not affected by the antibiotic agent. Three types of renal disease are associated with overexposure: acute nonoliguria renal failure (individuals with pre-existing pancreatic or fatty liver), uremia (individuals with pre-existing impaired renal function), and reversible nephrotoxicity (due to outdated or degraded tetracyclines).

Carcinogenicity: Not classifiable based on IARC, ACGIH, OSHA, NTP or EPA

Mutagenicity: Not a mutagen

Teratology (Birth Defects): Possible risk of congenital malformation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Active ingredient (% w/w):

Oxytetracycline hydrochloride, 4.3% (CAS No. 2058-46-0)

Chemical Class: Systemic Antibiotic

EPA Signal Word: CAUTION

	OSHA PEL	ACGIH/TLV	% Ingredient
Oxytetracycline Hydrochloride	N/A	N/A	4.3
Tetrahydrofurfuryl alcohol (THFA)	N/A	N/A	Proprietary

4. FIRST-AID MEASURES

Have the product container, label or Safety Data Sheet with you when calling a poison control center or doctor, or going for treatment.

If Swallowed: Immediately call a poison control center or doctor for treatment advice. 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.

If on Skin or Clothing: Take off contaminated clothing. Immediately rinse skin with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advice.

If in Eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Note to Physician: There is no specific antidote. Treat patient symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point: >98°C, >208°F

Method Used: Tag closed cup

Flammable Limit: LEL: N/A UEL: N/A

Extinguishing Media: Carbon dioxide, dry chemical, foam, water

Special Fire-Fighting Procedures: Use full-faced, self-contained breathing apparatus, and full protective clothing.

Product of Combustion and Decomposition: See Section 10 - Stability and Reactivity

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: See Section 8 - Exposure Controls/Personal Protection

Action to Take Spills: Prevent product from entering the drinking water supplies. Collect liquid or solidify with absorbent material and package for disposal according to local, state and federal regulations.

Environmental Precautions: Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters or rinsate.

Spill or Leak Procedures: Small spills - Clean up spills immediately, observing precautions in Section 8. Absorb spill with absorbent material such as pet litter. After removal, flush contaminated area thoroughly with water containing a strong detergent. Sweep up and place in a chemical container. Seal the container and dispose of in accordance with all state and federal regulations. Large spills - Keep out of streams and domestic water supplies. Dike area to prevent contamination of local water sources.

7. HANDLING AND STORAGE

Pesticide Storage: Do not contaminate water, food or feed by storage. Store in a cool (>45°F) place with containers in an upright position. Do not expose material to temperatures (>85°F) for prolonged periods.

Work/Hygienic Practices: Keep out of reach of children. May be harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Personal Protective Equipment (PPE): Some materials that are chemical-resistant to this product are listed below. Applicators and handlers must wear: long-sleeved shirts and long pants, shoes plus socks, chemical-resistant gloves, such as polyethylene, butyl rubber, neoprene rubber or Viton and protective eyewear such as goggles, face shield or safety glasses.

Eye: Chemical dust/splash goggles or full-face shield to prevent eye contact. As a general rule, do not wear contact lenses when handling.

Skin: Long-sleeved shirt, long pants, shoes, socks and chemical resistant gloves such as polyethylene or butyl rubber or neoprene rubber or Viton.

Ventilation: Use in well-ventilated area, but no TLV established.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Clear/Hazy Liquid

Color: Brown

pH: 3.18 @ 25°C

Density: 1.09 g/ml

Viscosity: 4.67 (cSt) @ 22°C

10. STABILITY AND REACTIVITY

Stability: Stable up to 3 months.

Conditions to Avoid: Avoid temperatures in excess of 85°F for prolonged periods of time.

Incompatibility (Materials to Avoid): None known.

Hazardous Decomposition Products: May emit carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen chloride gas.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD50: 3,129 mg/kg in female rats

Acute Dermal LD50: Male and female rats > 5,000 mg/kg

Primary eye irritation: Moderately irritating

Primary skin irritation: Moderately irritating

12. ECOLOGICAL INFORMATION (NON-MANDATORY)

Fish Toxicity (Technical):

96 hour LC50, Rainbow Trout: 116 ppm

96 hour LC50, Bluegill Sunfish 95 ppm

Invertebrate Toxicity (Technical): 102 ppm

13. DISPOSAL CONSIDERATIONS (NON-MANDATORY)

Pesticide Disposal: Do not contaminate water, food- or feed by disposal. Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

Container Handling: Non-refillable container; do not reuse or refill this container. Completely empty pack into application equipment, then offer for recycling, if available, or dispose of empty pack in a sanitary landfill or by incineration.

Observe all federal, state and local laws concerning health and environment.

14. TRANSPORT INFORMATION

DOT (domestic surface): This material is not regulated hazardous material for transportation.

Other Shipping Description: Insecticide or Fungicide, Agricultural, N.O.S.

For further information relative to spills resulting from transportation incidents, refer to the latest Department of Transportation (DOT) Emergency Response Guidebook for Hazardous Materials Incidents.

15. REGULATORY INFORMATION (NON-MANDATORY)

CERCLA: None

SARA TITLE III, Section 311 toxic chemicals: None

Proposition 65*: None

RCRA: It is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

*California Addendum (Proposition 65) Safe Drinking Water and Toxic Enforcement Act of 1986

16. OTHER INFORMATION

NFPA Hazard Ratings

Health: 2

Flammability: 1

Reactivity: 0

HMIS Hazard Ratings

Health: 2

Flammability: 1

Reactivity: 1

Rating Key

0 = Minimal

1 = Slight

2 = Moderate

3 = Serious

4 = Extreme

The information given here is not necessarily exhaustive but is representative of relevant, reliable data.

Follow all local/regional/national/international regulations.

Please consult supplier if further information is needed.

All tests were conducted following OECD guidelines for Good Laboratory Practices (GLP).

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA-APPROVED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course. Use, storage and disposal of pesticide products are regulated by the EPA under the authority of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) through the product labeling, and all necessary and appropriate precautionary, use, storage, and disposal information is set forth on that labeling. It is a violation of federal law to use this product in a manner inconsistent with its labeling.

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