

Aureomycin-Sulmet Soluble Powder Concentrate

WW MSDS No. 070742

Section 1. Product and Company Identification

Manufactured/ Supplied by	Fort Dodge Animal Health 800 5th Street NW P.O. Box 518 Fort Dodge, IA 50501 Phone: 515-955-4600 Fax: 515-955-9149	Date of Preparation	24 October 2003
Product Trade Name	Aureomycin-Sulmet Soluble Powder Concentrate	Product No.	070742
Common Name	Chlortetracycline/Sulfamethazine	Formula No.	Not available.
Synonyms	None.	CAS No.	Mixture
Chemical Formula	C22H24Cl2N2O8	U.N. No.	Not applicable.
Chemical Family	Veterinary Pharmaceutical.	EINECS No.	Not available.
Material Uses	Pharmaceutical industry: Antibiotic.	In Case of Emergency	515-955-6033
Packaging	Pouch, laminate.		
Formula Type	Powder.		

Section 2. Composition - Information on Ingredients

Name of Ingredients	CAS No.	Conc.	EU Symbol	R Phrase
1) Sulfamethazine Bisulfate	NA	22.6%	Not controlled.	Not controlled.
2) Chlortetracycline Bisulfate	NA	22.6%	Xn	R20/21/22, R40
3) Inerts (nonhazardous)	Balance	Balance	Not controlled	Not controlled

Section 3. Hazards Identification - Summary of Primary Effects and Critical Hazards

Acute Health Effects	Adverse health effects are considered unlikely when the product is administered according to label directions. Adverse health effects are associated with chronic high level exposures. Adverse symptoms may include abdominal cramps/pain, diarrhea .
Chronic Health Effects	Adverse health effects are considered unlikely when the product is administered according to label directions. Adverse health effects are associated with chronic high level exposures. Possible reproductive hazard.
Environmental Hazards	No known significant effects or critical hazards.

Section 4. First Aid Measures - (by medical responders using "Universal Precautions")

Eye Contact	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.
Skin Contact	Flush skin with plenty of soap and water for at least 15 minutes (remove all contaminated clothing and shoes). Get medical attention if symptoms persist.
Inhalation	No specific treatment, treat symptomatically. If breathing is difficult give oxygen, if respiratory arrest occurs provide artificial respiration and seek immediate medical assistance.
Ingestion	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If ingested, seek medical advice immediately and show the container or the label.

Notes to Medical Doctor	Direct treatment at control of symptoms. This product is a low-toxicity, broad spectrum antibiotic. Therapeutic use or exposure in pregnant women may affect the teeth of the unborn child, causing mottled discoloration, or damage to, the enamel over the chisel, particularly in the second and third trimesters.
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Section 5. Fire-Fighting Measures

Extinguishing Media and Instructions	Use DRY chemicals, CO ₂ , water spray or foam.
Special Exposure Hazards	None. Dispose of fire debris and contaminated fire fighting water in accordance with regulations.
Special Fire Fighting Protective Equipment	Full fire-fighting attire and approved certified self-contained breathing apparatus worn only by qualified persons.

Section 6. Accidental Release Measures

Small Spill Guidelines	Put on appropriate personal protective equipment (see Section 8). Use a tool to scoop up and put into appropriate labeled waste container.
Large Spill Guidelines	Initiate company's spill response procedures immediately. Keep people out of area. Put on appropriate personal protective equipment (see Section 8). Use appropriate instruments to put the spilled material in a waste disposal.
Environmental Precautions	No special measures are typically indicated.

Section 7. Handling and Storage

Handling (ventilation and fire prevention)	Avoid breathing dust. After handling, always wash hands thoroughly with soap and water.
Storage (conditions and limitations)	Keep only in the original container in a cool well-ventilated place out of the reach of children.

Section 8. Exposure Controls and Personal Protection - (normal and intended use)

Exposure Guidelines	Component	REG. Limit	OSHA (PEL)	ACGIH (TLV®)	Company Guideline
	1) Chlortetracycline hydrochloride - 3.0 mg/m ³ TWA (AHP)				
Engineering Design and Control Measures					Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below established values. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Protective Clothing					
Eyes					Safety glasses.
Skin					Lab coat.
Hands					Use latex gloves.
Respiratory					A respirator is not needed under normal and intended conditions of product use. Use an approved, properly fit tested, HEPA filter full facepiece cartridge respirator, or a respirator of greater protection if there is the potential to exceed the exposure limit(s).

Section 9. Physical and Chemical Properties

Physical State and Appearance	Solid. (Powder Granules)	Odor	Fermentation. (Slight.)
Molecular Weight	376.3 (chlortetracycline hydrochloride) 651.1 (sulfamethazine bisulfate)	Color	Yellowish.
Boiling Point	Not applicable.	pH	NA
Melting/Freezing Point	Not available.		
Density/Bulk Density	Not available.		
Vapor Pressure	Not applicable.		
Vapor Density	Not applicable.		
Viscosity	Not applicable.		
Partition Coefficient	Not applicable.		
Solubility	Easily soluble in cold water, hot water, methanol, diethyl ether, n-octanol, acetone.		
Flash Point	Not applicable.		
Autoignition Point	Not applicable.		
Explosion Limits	Not applicable.		
Dust Explosivity	May present dust explosion hazard.		

Section 10. Stability and Reactivity

Conditions to Avoid and Incompatibility	This product is not expected to present any unusual stability or reactivity concerns for emergency response personnel.
Decomposition Products	Not available.

Section 11. Toxicological Information

Acute Effects					
Component	Test	Result	Route	Species	
1) Chlortetracycline Bisulfate	LD50	>3000 mg/kg	oral	Rat	
2) Sulfamethazine Bisulfate	LD50	50 g/kg	oral	mouse	
Eye Contact	May be irritating to the eyes.				
Skin Contact	May cause skin irritation.				
Inhalation	Inhalation of dust will produce irritation to gastro-intestinal or respiratory tract, characterized by burning, sneezing and coughing.				
Ingestion	May cause gastrointestinal discomfort and diarrhea if swallowed.				
Chronic Effects					
Target Organs	Teeth. Bones.				
Adverse Effects Statements	Adverse health effects are associated with chronic high level exposures. Adverse health effects are considered unlikely when the product is administered according to label directions. Exposure (or therapeutic use) in pregnant women causes mottled discoloration of tooth enamel.				

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Sensitization	No evidence.
Carcinogenic Effects	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.
Mutagenic Effects	Not mutagenic in a standard battery of genetic toxicological tests.
Teratogenic Effects	Product is teratogenic and may cause harm to the unborn fetus.
Reproductive Effects	Possible reproductive hazard.
Other Effects	Not available.

Section 12. Ecological Information

Environmental Fate	Not available.
Environmental Hazards	No known significant effects or critical hazards.
Ecotoxicity	
Component	Species
1) Chlortetracycline Bisulfate	Not available.
2) Sulfamethazine bisulfate	Not available
Other	None known.

Section 13. Disposal Considerations

Waste Handling and Disposal	Avoid disposal, make attempts to use product completely in accordance with intended use.
<i>Note: The waste generator must be informed of and follow all applicable rules and regulations for the handling and disposal of waste.</i>	

Section 14. Transport Information

Proper Shipping Name,	Not available.
Primary Class, UNNA Number, Pakaging Group	
ADR/RID Classification (Road and Rail Transport)	Not controlled.
ADNR Classification (Inland Waterways)	Not controlled.
IMO/IMDG Class (Maritime Transport)	Not controlled.
ICAO/IATA (Air Transport)	Not controlled.
CEFCIC Tremcard	Not available.
U.S.A. DOT Class	Not controlled.
RQ	Not applicable.

NFPA
Health  Flammability 0 (red)
Reactivity 0 (red)
Specific hazard

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Packaging Instructions Not available.

Section 15. Regulatory Information and Warning Labels

(R) Risk Phrases R20/21/22- Harmful by inhalation, in contact with skin and if swallowed.
R40- Possible risks of irreversible effects.

(S) Safety Phrases S36- Wear suitable protective clothing S22- Do not breathe dust

NOTE: This product has been classified in accordance with applicable country-specific regulations.

Section 16. Other Key Information

Other Considerations See product label and package insert for additional information.
Not available.

8 November 2003 **Responsible for MSDS:** FDAH Environmental, Health, and Safety Department

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Notice to Reader

* This symbol indicates information which has changed from the previous MSDS.

The information provided in this MSDS is based on current knowledge, however, this does not constitute a warranty by the Company for that information. The product user is responsible for the appropriate and intended handling, use, and disposal of this product in accordance with label or package precautions and this information. All materials may present unknown hazards and should be used with caution.