

**1. SUBSTANCE IDENTITY AND  
COMPANY CONTACT  
INFORMATION**

**PRODUCT NAME:** EQUISUL-SDT ® Oral;  
Trimethoprim and Sulfadiazine Oral Suspension for  
Horses

**MOLECULAR FORMULA:** Mixture

**CHEMICAL FAMILY:** Antibiotic

**USE:** For use in Horses only

**SUPPLIER:**

Aurora Pharmaceutical LLC  
1196 South Highway 3  
Northfield, MN 55057

**TELEPHONE NUMBERS:**

Emergency (Chemtrec 24 hours): (800) 424-9300  
Information: (888) 215-1256

**2. HAZARDS IDENTIFICATION**

**CARCINOGENIC STATUS:** Ingredients are not  
considered carcinogenic by NTP, IARC, or OSHA.

**PRIMARY ROUTE(S) OF EXPOSURE:** Skin  
contact, eye contact, inhalation, and ingestion.

**EFFECTS OF EXPOSURE:** May cause skin, eye,  
and mucous membrane irritation and burns  
(symptoms such as discomfort, redness, tearing,  
sneezing, and runny nose). May cause allergic skin  
reactions. Exposure may cause nausea, vomiting,  
diarrhea, cramps, and colitis.

**MEDICAL CONDITIONS AGGRAVATED BY  
EXPOSURE:** Hypersensitivity to trimethoprim or  
sulfadiazine.

**3. COMPOSITION/INFORMATION  
ON INGREDIENTS**

Mixture of the substances listed below with  
nonhazardous additions.

**INGREDIENT 1**

**COMMON NAME:** Sodium Hydroxide

**% BY WEIGHT:** 4.58 %

**CAS NUMBER:** 01310-73-2

**EXPOSURE LIMIT(S):** OSHA PEL-TWA:  
2 mg/m<sup>3</sup>; ACGIH TLV-Ceiling: 2 mg/m<sup>3</sup>

**INGREDIENT 2**

**COMMON NAME:** Trimethoprim

**% BY WEIGHT:** 5.67 %

**CAS NUMBER:** 00738-70-5

**EXPOSURE LIMIT(S):** Not established.

**INGREDIENT 3**

**COMMON NAME:** Sulfadiazine

**% BY WEIGHT:** 28.3 %

**CAS NUMBER:** 00068-35-9

**EXPOSURE LIMIT(S):** Not established.

**EXPOSURE LIMIT(S) FOR THE MATERIAL:**  
Not established.

**4. FIRST AID MEASURES**

**EYES:** Remove contact lenses, if present. Rinse  
immediately with plenty of water, including under  
the eyelids, for at least 15 minutes. If irritation  
persists, obtain medical attention.

**SKIN:** Wash off with soap and water. Take off all  
contaminated clothing immediately. May cause skin  
reactions.

**INHALATION:** Move to fresh air.

**INGESTION:** Contact a physician or poison control  
center.

**5. FIRE FIGHTING MEASURES**

**FLASH POINT:** Not applicable (60% water).

**LOWER EXPLOSION LIMIT (LEL):** Not  
applicable.

**UPPER EXPLOSION LIMIT (UEL):** Not  
applicable.

**EXTINGUISHING MEDIA:** Water, carbon dioxide,  
or dry chemical.

**FIRE FIGHTING PROCEDURES:** Wear self-  
contained breathing apparatus and full-body  
protective equipment.

**UNUSUAL FIRE OR EXPLOSION HAZARDS:**  
None known.

**HAZARDOUS COMBUSTION PRODUCTS:**

Carbon monoxide, carbon dioxide, nitrogen oxides,  
sulfur oxides.

**6. ACCIDENTAL RELEASE MEASURES**

**PERSONAL PRECAUTIONS:** Ensure adequate  
ventilation. Avoid contact with skin, eyes and  
clothing.

**ENVIRONMENTAL PRECAUTIONS:** Do not let  
product enter drains. Do not flush into surface  
water. Do not flush to groundwater and soil.

**METHODS FOR CLEANING UP:** Absorb the  
liquid with suitable material, then transfer into a  
suitable container for disposal.

**7. HANDLING AND STORAGE**

**HANDLING:** Use with adequate ventilation. Avoid  
contact with skin, eyes, and clothing. Wash

thoroughly after handling. Launder contaminated clothing before reuse.

**STORAGE:** Store at room temperature. Store in a dry area away from direct sunlight, heat, and incompatible materials. Protect from freezing and physical damage. Reseal containers immediately after use. Store away from food and beverages. Keep out of reach of children.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**RESPIRATORY PROTECTION:** Not required.

**VENTILATION:** Good general ventilation should suffice.

**HAND PROTECTION:** Not normally required.

**EYE PROTECTION:** Not normally required.

However, care should be taken to avoid accidental exposure.

**OTHER PROTECTIVE EQUIPMENT:** Not required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** White to off-white aqueous suspension.

**Odor:** Apple

**pH:** 10.1

**Flash Point:** NA, 60% water

**Auto ignition Temperature:** NA

**Boiling Point/Range:** NA

**Melting Point/Range:** NA

**Flammability (solid, gas):** NA

**Upper/Lower Flammability:** NA

**Vapor Pressure:** NA

**Vapor Density:** NA

**Specific Gravity:** 1.17

**Water Solubility:** Slightly soluble

**Reactivity in Water:** NA

**Decomposition Temperature:** NA

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable under normal conditions.

**PHYSICAL CONDITIONS TO AVOID:** Heat - high temperature.

### INCOMPATIBILITY WITH OTHER

**MATERIALS:** Will react with sodium and lithium metals and acids

### HAZARDOUS DECOMPOSITION PRODUCTS:

No data.

**HAZARDOUS POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY:

Trimethoprim

LD<sub>50</sub> Oral rat >5300mg/kg

LD<sub>50</sub> Oral mouse: 2764mg/kg

Sulfadiazine

LD<sub>50</sub> Oral Mouse: 1500mg/kg

### CHRONIC TOXICITY:

In animal studies the main toxic effects of trimethoprim were on the hematopoietic system.

Administration of sulfadiazine caused nephrotoxic and endocrine effects in animal studies.

### GENOTOXICITY:

Trimethoprim: Possible mutagen.

Sulfadiazine: No relevant reports identified.

### REPRODUCTIVE/DEVELOPMENTAL TOXICITY:

Trimethoprim: Crosses the placenta and is excreted into breast milk. Reported to cause birth defects when administered to rats during pregnancy.

Reported to decrease the number of successful pregnancies in rabbits.

Sulfadiazine: Reported to cause birth defects when administered to rats and mice during pregnancy.

Reported to decrease the number of successful pregnancies in rats.

## 12. ECOLOGICAL INFORMATION

No relevant studies identified.

## 13. DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** Dispose of by incineration in accordance with applicable local and national regulations.

## 14. TRANSPORT REGULATIONS

Not regulated by the United States Department of Transportation (DOT), International Maritime Organization (IMO), or International Air Transport Association (IATA).

## 15. REGULATORY INFORMATION

Equisul is a new animal drug approved by FDA, NADA 141-360 (21CFR 520.2612); therefore it is exempt from the labeling requirements of the OSHA Hazard Communication Standard.

**16. OTHER INFORMATION**

**Revision Date: 6/05/15.**

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