



**SAFETY DATA SHEET**  
**TULISSIN® 25**  
**(tulathromycin injection) Injectable Solution**

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**1. IDENTIFICATION**

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<b>Product Name</b>	TULISSIN® 25 (tulathromycin injection) Injectable Solution
<b>Recommended use of the chemical and restrictions on use</b>	
<b>Identified uses</b>	Treatment for Respiratory Disease in Swine & Bovine
<b>Restrictions on Use</b>	Not for human use. Do not use in chickens or turkeys. Federal (USA) law restrits this drug to use by or on the order of a licensed veterinarian.
<b>Company Identification</b>	Virbac AH, Inc. P.O. Box 162059 Fort Worth, Texas 76161 (800) 338-3659
<b>Customer Information Number</b>	
<b>Emergency Telephone Number</b>	
<b>CHEMTREC Number</b>	(800) 424-9300
<b>Other Emergency Number:</b>	Human Toll-free 833-224-2009 Animal Toll-free 833-224-2013
<b>Issue Date</b>	October 25, 2021
<b>Supersedes Date</b>	This is first issue
<i>Safety Data Sheet prepared in accordance with OSHA's Hazard Communication Standard (29 CFR 1910.1200) and the Globally Harmonized System of Classification and Labelling of Chemicals (GHS)</i>	

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**2. HAZARD IDENTIFICATION**

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**Hazard Classification**

Skin Sensitization – Category 1  
Serious eye damage/eye irritation - Category 2A  
Specific target organ toxicity (Repeat Exposure) – Category 1 (ingestion)

**Label Elements**

Hazard Symbols



Signal Word: Danger!

**Hazard Statements**

May cause an allergic skin reaction.  
Causes serious eye irritation.  
Causes damage to organs through prolonged or repeated exposure. (ingestion)

**Precautionary Statements**

**Prevention**

Do not breath mist, vapors or spray.  
Wash hands thoroughly with soap and water after handling.  
Do not eat, drink or smoke when using this product.  
Contaminated work clothing must not be allowed out of the workplace.  
Wear protective gloves/protective clothing/eye protection/face protection.



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## 2. HAZARD IDENTIFICATION

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### Response

If on skin: Wash with plenty of soap and water.

If skin irritation or rash occurs: Get medical advice/attention.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Wash contaminated clothing before reuse.

Get medical advice/attention if you feel unwell.

### Storage

None

### Disposal

Dispose of contents/container in accordance with local and national regulations.

None

### Other Hazards

None

### Specific Concentration Limits

The values listed below represent the percentages of ingredients of unknown toxicity.

Acute oral toxicity <5%

Acute dermal toxicity <5%

Acute inhalation toxicity <5%

Acute aquatic toxicity <5%

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

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### Synonyms:

This product is a mixture.

Component Name	CAS Number	Concentration
Tulathromycin	217500-96-4	1 - 5%
Thioglycerol	96-27-5	0.1 - <1.0%
Citric Acid	77-92-9	0.1 - <1.0%

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## 4. FIRST - AID MEASURES

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### Description of necessary first-aid measures

#### Eyes

Immediately flood the eye with plenty of water, for 15 minutes while holding the eye open. Obtain medical attention if soreness or redness persists.

#### Skin

Wash skin thoroughly with soap and water. Obtain medical attention if redness or soreness or other symptoms persists.

#### Ingestion

Call a poison control center or doctor immediately for treatment advice. 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.

#### Inhalation

Remove person to fresh air. Seek medical attention if symptoms persist.



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#### 4. FIRST - AID MEASURES

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**Most important symptoms/effects, acute and delayed**

Aside from the information found under Description of necessary first aid measures (above) and Indication of immediate medical attention and special treatment needed, no additional symptoms and effects are anticipated.

**Indication of immediate medical attention and special treatment needed**

**Notes to Physicians**

Treat symptomatically.

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#### 5. FIRE - FIGHTING MEASURES

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**Extinguishing Media**

Use extinguishing media appropriate for surrounding materials.

**Unusual Fire and Explosion Hazards**

Can release hazardous vapors during a fire.

**Protective Equipment for Fire-Fighting**

Wear full protective clothing and self-contained breathing apparatus.

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#### 6. ACCIDENTAL RELEASE MEASURES

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**Personal precautions, protective equipment and emergency procedures**

Wear appropriate protective clothing.

**Environmental Precautions**

Prevent the material from entering drains or watercourses.

**Methods and materials for containment and cleaning up**

Wipe up and transfer into suitable containers for recovery or disposal. Prevent the material from entering drains or watercourses.

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#### 7. HANDLING AND STORAGE

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**Precautions for safe handling**

Wear appropriate protective clothing.

**Conditions for safe storage**

Store in original container at room temperature. Store away from children and pets.



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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Control parameters

Exposure limits are listed below, if they exist.

#### Thioglycerol

None established.

#### Citric Acid

None established

#### Tulathromycin

None established.

### Appropriate engineering controls

Engineering methods to prevent or control exposure are preferred. Methods include process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

### Individual protection measures

#### Respiratory Protection

If there is a risk of exposure use NIOSH certified respirators selected based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

#### Skin Protection

Chemical resistant Gloves

#### Eye/Face Protection

Safety glasses with side shields and/or face shield

#### Body Protection

Normal work wear.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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### Appearance

	<b>Physical State</b>	Liquid
	<b>Color</b>	Colorless to pale yellow
<b>Odor</b>		Characteristic
<b>Odor Threshold</b>		No data available
<b>pH</b>		5.1-5.7
<b>Density</b>		No data available
<b>Boiling Range/Point (°C/F)</b>		No data available
<b>Melting Point (°C/F)</b>		No data available
<b>Flash Point (PMCC) (°C/F)</b>		Not flammable
<b>Vapor Pressure</b>		No data available
<b>Evaporation Rate (BuAc=1)</b>		No data available
<b>Solubility in Water</b>		Insoluble
<b>Vapor Density (Air = 1)</b>		No data available
<b>VOC</b>		No data available
<b>Partition coefficient (n-octanol/water)</b>		Not applicable
<b>Viscosity</b>		Not applicable
<b>Auto-ignition Temperature</b>		No data available
<b>Decomposition Temperature</b>		No data available
<b>Upper explosive limit</b>		No data available
<b>Lower explosive limit</b>		No data available
<b>Flammability (solid, gas)</b>		No data available



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**10. STABILITY AND REACTIVITY**

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**Reactivity**

Data is not available

**Chemical Stability**

Stable under normal conditions.

**Possibility of hazardous reactions**

Hazardous polymerization will not occur.

**Conditions to Avoid**

Heat - high temperatures

**Incompatible Materials**

Strong oxidizers

**Hazardous Decomposition Products**

Oxides of carbon - hydrogen chloride – phosgene - Chlorine

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**11. TOXICOLOGICAL INFORMATION**

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**Acute Toxicity**

**Thioglycerol**

Oral LD50 (rat) 670 mg/kg,

Dermal LD50 (rabbit) 699 mg/kg

**Citric Acid**

Oral LD50 (rat) 6730 mg/kg

**Tulathromycin**

Oral LD50 (rat) 1000 mg/kg

Dermal LD50 (rabbit) 2000 mg/kg

**Specific Target Organ Toxicity (STOT) – single exposure**

No relevant studies have been identified.

**Specific Target Organ Toxicity (STOT) – repeat exposure**

Available data indicates this product may cause target organ effects after repeated exposure.

C=10/mg/kg bodyweight (90 days)

**Serious Eye damage/Irritation**

Thioglycerol: Caused slight irritation (rabbits)

Citric Acid: Causes serious eye irritation.

**Skin Corrosion/Irritation**

Thioglycerol: Severe skin irritation (rabbits)

Citric Acid: Prolonged skin contact may cause temporary irritation.

**Respiratory or Skin Sensitization**

Thioglycerol: May cause sensitisation by skin contact. (guinea pigs)

**Carcinogenicity**

Not considered carcinogenic by NTP, IARC, and OSHA.



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**11. TOXICOLOGICAL INFORMATION**

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**Germ Cell Mutagenicity**

No relevant studies have been identified.

**Reproductive Toxicity**

No relevant studies have been identified.

**Aspiration Hazard**

Not an aspiration hazard.

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**12. ECOLOGICAL INFORMATION**

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**Ecotoxicity**

Tulathromycin:

Fish Toxicity: LC50 >20 mg/l 96 hr

Crustacean Toxicity: EC50 >20 mg/l 3h (Daphnia Magna)

**Mobility in soil**

No relevant studies identified.

**Persistence/Degradability**

No relevant studies identified.

**Bioaccumulative Potential**

No relevant studies identified.

**Other adverse effects**

No relevant studies identified.

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**13. DISPOSAL CONSIDERATIONS**

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**Disposal Methods**

Dispose of in accordance with all applicable local and national regulations.

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**14. TRANSPORT INFORMATION**

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Contact supplier for transport information.

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**15. REGULATORY INFORMATION**

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**United States TSCA Inventory**

This product contains ingredients that are listed on or exempt from listing on the EPA Toxic Substance Control Act Chemical Substance (TSCA) Inventory.

**Canada DSL Inventory**

This product contains ingredients that have not been verified for listing on the Domestic Substance List (DSL) or the Non-Domestic Substance List (NDSL).

**SARA Title III Sect. 311/312 Categorization**

Skin Sensitizer, Serious eye damage or eye irritation, Specific target organ toxicity (repeated exposure)



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**15. REGULATORY INFORMATION**

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**SARA Title III Sect. 313**

This product contains a chemical that is listed in Section 313 at or above de minimis concentrations. The following listed chemicals are present:

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**16. OTHER INFORMATION**

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**Legend**

ACGIH: American Conference of Governmental Industrial Hygienists  
BOD: Biological Oxygen Demand  
CAS#: Chemical Abstracts Service Number  
ECHA: European Chemicals Agency  
FIFRA: Federal Insecticide, Fungicide and Rodenticide Act  
IARC: International Agency for Research on Cancer  
LC50: Lethal Concentration 50%  
LD50: Lethal Dose 50%  
N/A: Denotes no applicable information found or available  
NTP: National Toxicology Program  
OSHA: Occupational Safety and Health Administration  
PEL: Permissible Exposure Limit  
STEL: Short Term Exposure Limit  
TLV: Threshold Limit Value  
TSCA: Toxic Substance Control Act

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Replaces: This is first issue.  
Changes made: This is first issue.

**Information Source and References**

This SDS is prepared by Hazard Communication Specialists based on information provided by internal company references.

**Prepared By:** EnviroNet LLC.

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