



SAFETY DATA SHEET
TULISSIN® 100
(tulathromycin injection) Injectable Solution

1. IDENTIFICATION

Product Name	TULISSIN® 100 (tulathromycin injection) Injectable Solution
Recommended use of the chemical and restrictions on use	
Identified uses	Treatment for Respiratory Disease in Swine & Bovine
Restrictions on Use	Not for human use. Do not use in chickens or turkeys. Federal (USA) law restricts this drug to use by or on the order of a licensed veterinarian.
Company Identification	Virbac AH, Inc. P.O. Box 162059 Fort Worth, Texas 76161 (800) 338-3659
Customer Information Number	
Emergency Telephone Number	
CHEMTREC Number	(800) 424-9300
Other Emergency Number:	Human Toll-free 833-224-2009 Animal Toll-free 833-224-2013
Issue Date	October 25, 2021
Supersedes Date	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>	

2. HAZARD IDENTIFICATION

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.



2. HAZARD IDENTIFICATION

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%

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms:

This product is a mixture.

Component Name	CAS Number	Concentration
Tulathromycin	217500-96-4	1 – 10 %
Citric Acid	77-92-9	1 - 10 %
Thioglycerol	96-27-5	0.1 - <1.0%

4. FIRST - AID MEASURES

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.



4. FIRST - AID MEASURES

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.

5. FIRE - FIGHTING MEASURES

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.

6. ACCIDENTAL RELEASE MEASURES

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.

7. HANDLING AND STORAGE

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.



8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

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



10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

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.



11. TOXICOLOGICAL INFORMATION

Germ Cell Mutagenicity

No relevant studies have been identified.

Reproductive Toxicity

No relevant studies have been identified.

Aspiration Hazard

Not an aspiration hazard.

12. ECOLOGICAL INFORMATION

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.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

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

14. TRANSPORT INFORMATION

Contact supplier for transport information.

15. REGULATORY INFORMATION

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)



15. REGULATORY INFORMATION

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:

16. OTHER INFORMATION

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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