



Enteriquell Safety Data Sheet

VPS SDS-07
Revision 000
Effective: 26 DEC 25

Section 1: Identification

Product Name: Enteriquell

Chemical Name/Synonyms: TGD Solution; Tylosin/Gentamicin/Dexamethasone Solution; Corticosteroid-Aminoglycoside-Macrolide Combination Product; Veterinary single-phase solution formulation

Company:

Veterinary Pharmaceutical Solutions

2008 North Sunrise Drive
Saint Peter MN, 56082
United States

Restrictions on Use: For veterinary use only. Not for human consumption.

In emergency call 911 or CHEMTREC (24hr): 1-800-424-9300

For information about this SDS, contact phone#: 1-877-931-8707

Section 2: Hazard(s) Identification

See <https://www.sigmaaldrich.com/safety-center/globally-harmonized.html> for a list of hazard classifications, signal words, hazard statements, pictograms, precautionary statements, and a description of hazards.

Hazard Classification:

Respiratory Sensitization (Category 1), H334

Skin Sensitization – (Category 1), H317

Eye Irritation (Category 2A), H319

Reproductive Toxicity (Category 1B), H360

Specific Target Organ Toxicity – Single Exposure (Category 3), H335

Signal Word(s): Danger

Hazard Statements:

H317 – May cause an allergic skin reaction.

H319 – Causes serious eye irritation.

H334 – May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 – May cause respiratory irritation.

H360 – May damage fertility or the unborn child.



Pictograms:

Precautionary Statements:

P201 – Obtain special instructions before use.



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P202 – Do not handle until all safety precautions have been read and understood.
 P261 – Avoid breathing vapors, mist, or spray.
 P264 – Wash hands, forearms, and exposed areas thoroughly after handling.
 P270 – Do not eat, drink, or smoke when using this product.
 P272 – Contaminated work clothing must not be allowed out of the workplace.
 P280 – Wear protective gloves, protective clothing, and eye protection.
 P284 – Wear respiratory protection if ventilation is inadequate.
 P302+P352 – IF ON SKIN: Wash with plenty of water.
 P333+P313 – If skin irritation or rash occurs: Get medical advice/attention.
 P362+P364 – Take off contaminated clothing and wash it before reuse.
 P304+P340 – IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P342+P311 – If experiencing respiratory symptoms: Call a poison center or doctor.
 P305+P351+P338 – IF IN EYES: Rinse cautiously with water. Remove contact lenses if present and easy to do. Continue rinsing.
 P337+P313 – If eye irritation persists: Get medical advice/attention.
 P308+P313 – If exposed or concerned: Get medical advice/attention.
 P330 – Rinse mouth.
 P405 – Store locked up.
 P403+P233 – Store in a well-ventilated place. Keep container tightly closed.
 P403+P235 – Keep cool.
 P501 – Dispose of contents/container in accordance with local, regional, national, and international regulations.

Description of other hazards: Exposure may aggravate pre-existing eye, skin, or respiratory conditions. Contains pharmaceutical actives that may elicit allergic reactions in sensitized individuals. Occupational exposure to corticosteroids may exacerbate endocrine or reproductive effects with prolonged or repeated handling.

Section 3: Composition/ Information on Ingredients

Chemical Name	Synonym	CAS#	Conc.
Dexamethasone	Corticosteroid active ingredient	50-02-2	*
Gentamicin sulfate	Aminoglycoside antibiotic; Gen-Gard	1405-41-0	*
Tylosin tartrate	Macrolide antibiotic; Tylan Soluble	1405-54-5	*
USP Water	Purified water	7732-18-5	To volume

* = The composition of this ingredient is withheld as a trade secret in accordance with OSHA 29 CFR 1910.1200(i).

Section 4: First-Aid Measures

General Advice: If the exposed individual feels unwell, seek medical attention immediately. Never administer anything by mouth to an unconscious person.



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After skin contact: Immediately remove any contaminated clothing. Rinse the affected area thoroughly with water for at least 15 minutes. If irritation persists or develops, obtain medical attention. Contaminated clothing should be washed before reuse.

After eye contact: Flush eyes cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do, then continue rinsing. If eye irritation persists, seek immediate medical attention.

After inhalation: Remove the affected individual to fresh air and allow them to rest in a position that facilitates breathing. Ensure adequate ventilation of the area. If respiratory symptoms develop or persist, seek medical attention.

After swallowing: Rinse mouth thoroughly with water. Do not induce vomiting unless directed by medical personnel. Seek immediate medical attention and provide information on the substance involved.

Most Important Symptoms and Effects Both Acute and Delayed: May cause respiratory irritation, allergic respiratory reactions, allergic skin reactions, and serious eye irritation. Contains a corticosteroid active ingredient that may cause adverse reproductive or endocrine effects with repeated exposure.

Indication of immediate medical attention: Provide label or SDS to medical personnel. Treat symptomatically.

Section 5: Fire-Fighting Measures

Suitable extinguishing agents: Use extinguishing measures appropriate to local circumstances and the surrounding environment. Suitable extinguishing agents include dry chemical powder, alcohol-resistant foam, and carbon dioxide (CO₂).

Unsuitable Extinguishing Agents: Do not use high-pressure water streams.

Special Hazards arising from the substance or mixture: This product is not considered flammable; however, heating or fire conditions may cause thermal decomposition and generate carbon oxides, nitrogen oxides, or other irritating fumes. Containers may build pressure under fire conditions.

Special protective equipment for firefighters: Use self-contained breathing apparatus and protective clothing

Additional Considerations: Prevent firefighting runoff from entering drains, sewers, or natural water sources.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures: Restrict access to the affected area until cleanup is complete. Avoid direct contact with spilled material. Use appropriate personal protective equipment including chemical-resistant gloves, protective clothing, and eye protection. Provide adequate ventilation. If aerosol or mist is present, respiratory protection may be required.

Environmental Precautions: Prevent entry into drains, sewers, surface water, and soil to minimize environmental impact. Contain the spill using non-combustible, inert absorbent materials such as sand or clay.

Methods and Materials for Containment and Cleanup: For small spills, absorb with inert material and place in a suitable, labeled container for proper disposal. For large spills, dike the area to prevent further spreading. Transfer collected material into sealed containers for disposal in accordance with local, state, and federal regulations. Thoroughly clean contaminated surfaces with water and detergent. Do not allow rinse water to enter drainage systems or waterways.

Section 7: Handling and Storage

Handling: Handle in accordance with good industrial hygiene and safety practice. Use only in well-ventilated areas. Avoid breathing vapors, mists, or aerosols. Prevent contact with skin, eyes, and



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clothing. Do not eat, drink, or smoke when using this product. Wash hands, forearms, and exposed skin thoroughly after handling. Remove contaminated clothing and launder before reuse. Avoid generating droplets or aerosols during transfer or mixing. Follow standard pharmaceutical handling procedures.

Storage: Store in a cool, dry, well-ventilated area away from heat. Keep containers tightly closed when not in use. Protect from freezing and extreme temperatures. Store separately from incompatible materials such as strong acids, strong bases, or oxidizing agents. Maintain good housekeeping and ensure containers remain properly labeled.

Section 8: Exposure Controls/Personal Protection

Exposure Limits: No OSHA PEL, ACGIH TLV, or NIOSH REL established for the mixture or its active pharmaceutical ingredients.

Engineering Controls: Provide adequate general or local exhaust ventilation to maintain airborne levels below recommended exposure limits for sensitizers. Ensure access to an emergency eyewash station and safety shower in all areas where the material is handled.

Respiratory Protection: Not typically required under normal handling conditions. If ventilation is insufficient or aerosols/mists are generated, use a NIOSH-approved respirator appropriate for airborne particulates or mists. Respiratory protection may be required for sensitized individuals.

Skin Protection: Wear chemical-resistant gloves (nitrile recommended). Use long-sleeved protective clothing to minimize skin contact. Launder contaminated clothing before reuse.

Eye Protection: Use safety goggles or face shield if splash risk exists

Environmental Exposure Controls: Avoid release to the environment.

General Hygiene Measures: Wash hands, forearms, and exposed areas thoroughly after handling. Do not eat, drink, or smoke while using this product. Contaminated work clothing must not be allowed out of the workplace and should be laundered before reuse.

Section 9: Physical and Chemical Properties

Appearance: Clear yellow, single-phase solution

Odor: Mild; characteristic of pharmaceutical solutions, or no detectable odor

Odor Threshold: Not determined

pH: Not determined

Melting Point/Freezing Point: Not determined

Boiling Point/Range: Not determined

Flash Point: Not determined

Evaporation Rate: Not determined

Flammability (Solid, Gas): Not applicable

Upper/Lower Flammability or Explosive Limits: Not determined

Vapor Pressure: Not determined

Vapor Density: Not determined

Relative Density: Not determined

Solubility in Water: Miscible in water

Partition Coefficient (n-octanol/water): Not determined

Auto-Ignition Temperature: Not determined

Decomposition Temperature: Not determined

Relative Viscosity: Not determined

Section 10: Stability and Reactivity



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Reactivity: Stable under normal conditions

Chemical stability: Stable with recommended handling and storage

Possibility of Hazardous Reactions: Hazardous polymerization is not expected to occur. No hazardous reactions are known under normal processing or storage conditions

Conditions to avoid: Avoid excessive heat, freezing, and direct sunlight. Avoid aerosol generation during handling

Incompatible materials: Strong acids, strong bases, and oxidizing agents

Hazardous decomposition products: Thermal decomposition may produce carbon oxides, nitrogen oxides, and other irritating fumes or gases

Section 11: Toxicological Information

Acute Toxicity: The mixture is not classified for acute toxicity; however, components may cause harmful effects if swallowed or inhaled. May cause nausea, irritation, or discomfort following ingestion. Sensitized individuals may experience adverse reactions at lower exposure levels.

Dermal (Skin Contact): Tylosin tartrate and gentamicin sulfate are known skin sensitizers. Repeated or prolonged skin contact may cause allergic reactions.

Respiratory Sensitization: Tylosin tartrate and gentamicin sulfate may cause allergic respiratory reactions in sensitized individuals. Symptoms may include coughing, wheezing, chest tightness, or difficulty breathing.

Eye Contact: Causes serious eye irritation. Symptoms may include redness, watering, and discomfort.

Inhalation: May cause respiratory irritation and may elicit allergic respiratory reactions in sensitized individuals (Respiratory Sensitizer Category 1). Symptoms may include coughing, wheezing, chest tightness, or difficulty breathing.

Ingestion: Ingestion may cause gastrointestinal irritation and systemic effects associated with the active pharmaceutical ingredients.

Substance	Oral LD50 (Rat)	Dermal LD50 (Rabbit)	Inhalation LC50
Dexamethasone (CAS 50-02-2)	> 3 g/kg	Not Determined	Not Determined
Gentamicin Sulfate (CAS 1405-41-0)	Not Determined*	Not Determined*	Not Determined*
Tylosin Tartrate (CAS 1405-54-5)	> 6200 mg/kg	> 2000 mg/kg	Not Determined

* = The Gen-Gard SDS states qualitative toxicity concerns (ototoxicity, nephrotoxicity) but provides no quantitative LD₅₀/LC₅₀ values.

Carcinogenicity, Mutagenicity, and Reproductive Toxicity:

Carcinogenic Effects: Not listed by IARC, NTP, or OSHA

Mutagenic Effects: Not listed by IARC, NTP, or OSHA

Reproductive Toxicity: Contains dexamethasone (Reproductive Toxicity Category 1B), which may cause adverse reproductive or developmental effects based on evidence in animal studies and therapeutic data.

Specific Target Organ Toxicity (STOT):



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Single Exposure: May cause respiratory irritation (Category 3)

Repeated Exposure: Prolonged or repeated occupational exposure to corticosteroids may affect the endocrine or reproductive system. Repeated exposure to sensitizing antibiotics may potentiate respiratory or dermal allergy.

Section 12: Ecological Information (non-mandatory)

Ecotoxicity: Active pharmaceutical ingredients may be harmful to aquatic organisms. Avoid release to the environment.

Substance	Fish (LC50)	Crustacea (EC50)	Algae (EC50 / ErC50)
Tylosin Tartrate (CAS 1405-54-5)	> 300 mg/L (96 h)	> 300 mg/L (48 h)	0.22 mg/L (72 h)
Gentamicin Sulfate (CAS 1405-41-0)	Not Determined*	Not Determined*	Not Determined*
Dexamethasone (CAS 50-02-2)	Not Determined	Not Determined	Not Determined

Persistence and Degradability: Not determined for the mixture. Components may be persistent in the environment.

Bioaccumulative Potential: Not determined for the mixture. Certain pharmaceutical actives may exhibit potential for bioaccumulation.

Mobility in Soil: Not determined.

Other Adverse Effects: No additional data available.

Section 13: Disposal Considerations (non-mandatory)

Waste Treatment Methods: Dispose of product and container in accordance with federal, state, and local regulations. Do not discharge to sewers or waterways. Absorb small quantities with inert material for disposal through licensed contractor.

Product Disposal: Refer to federal, state and local regulations.

Container Disposal: Empty containers may contain residues and should be handled as hazardous waste. Dispose of containers in accordance with local regulations.

Regulatory Considerations: Refer to federal, state and local regulations.

Section 14: Transport Information (non-mandatory)

Regulatory Body	Classification
U.S. DOT (49 CFR 172.101)	Not classified as hazardous or dangerous goods for transport.
IATA (Air Transport)	
IMDG (Maritime Transport)	
TDG (Canada Transport of Dangerous Goods)	

Special Precautions for Transport: Keep containers sealed during transport. Protect from temperature extremes, freezing, and physical damage. Ensure that containers remain upright and secured during movement.

Section 15: Regulatory Information (non-mandatory)

U.S. Federal Regulations:

TSCA: All components are listed or exempt from listing under the Toxic Substances Control Act.

SARA Title III:



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Section 311/312 – Applies: sensitization, reproductive toxicity, respiratory hazard.
Section 302 – No components are subject to the reporting requirements.
Section 313 – No components are listed as toxic chemicals subject to reporting.
CERCLA: No components are listed under CERCLA hazardous substance regulations in reportable quantities.
RCRA: Not classified as hazardous waste under 40 CFR Part 261

U.S. State Regulations:

California Proposition 65: Dexamethasone may be listed for developmental or reproductive toxicity.

International Regulations: Regulatory requirements vary by region; users are responsible for following local, regional, and national regulations applicable to handling and disposal of pharmaceutical materials.

Section 16: Other Information

SDS Code: SDS-XX Enteriquell TGD

References: Data sourced from component SDSs, regulatory databases, and supplier information.

SDS Prepared By: Veterinary Pharmaceutical Solutions

Date of Last Revision: Month, Day, Year

For More Information: Contact VPS at 1-877-931-8707

Disclaimer: This SDS is intended to provide a summary of health, safety, and environmental information as required by OSHA 29 CFR 1910.1200 and GHS regulations. The information is believed to be accurate but is provided without warranty, express or implied. Users are responsible for compliance with all applicable regulations and safe handling practices.