SAFETY DATA SHEETS

This SDS packet was issued with item:
078014969

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

078071278 078071344 078086863 078086947 078086970 078087004 078087079 078355701 078355719
078355727 078355735 078355743 078355750 078355768 078355776 078355784 078355792 078355800 078355818
078355826 078355834 078355842 078355859 078355867 078355875 078355883 078355891 078355909 078368957
078431319 078437228 078443805 078452044 078479687 078502074 078552194 078552202 078584233 078668908
078668916 078668940 078908352

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

078071732 078071963 078071997 078080871 078081657 078085129 078085491 078085590 078086814 078086848
078086889 078086897 078086913 078086921 078086939 078086954 078086996 078087012 078087046 078087087
078088194 078356867 078356875 078362841 078479679 078504520 078559517
MATERIAL SAFETY DATA SHEET

Product Id: Telazol

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Code: 01L60030
Product Name: Telazol
Supplier: Fort Dodge Animal Health
800 5th Street NW
PO Box 518
Fort Dodge, IA 50501

General Information No.: (515) 955-4600
Emergency Telephone No.: (515) 955-6033

Emergency Telephone Number: (800) 424-9300
General Telephone Number: (515) 955-4600
Prepared By: Environmental, Health + Safety

2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Components</th>
<th>Weight %</th>
<th>ACGIH TWA:</th>
<th>CAS-No.</th>
<th>Wyeth OEG:</th>
<th>Units for TWAs, STELs, ACGIH, OSHA:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inert Ingredients</td>
<td>84.2</td>
<td>NA</td>
<td>Various</td>
<td>NA</td>
<td>mg/m3</td>
</tr>
<tr>
<td>Mannitol 69-65-8</td>
<td>5.77</td>
<td>NA</td>
<td>69-65-8</td>
<td>Not established</td>
<td>mg/m3</td>
</tr>
<tr>
<td>Zolazepam Hydrochloride</td>
<td>5</td>
<td>NA</td>
<td>33754-49-3</td>
<td>Not established</td>
<td>mg/m3</td>
</tr>
<tr>
<td>Tiletamine Hydrochloride NA</td>
<td>5</td>
<td>NA</td>
<td>Not applicable</td>
<td>Not established</td>
<td>mg/m3</td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION

Inhalation: May be harmful if inhaled.
Skin Contact: Product is not considered to be irritating to the skin.
Ingestion: Harmful if swallowed.
Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15
4. FIRST AID MEASURES

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lens if present. If redness or irritation persists have eyes examined by a doctor immediately.

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: No specific treatment, treat symptomatically. Call medical doctor or poison control center immediately if large quantities are ingested. Do not induce vomiting.

Aggravated Conditions: None known.

Notes to Physician: Direct treatment at control of symptoms.

5. FIRE FIGHTING MEASURES

Extinguishing Media and Fire Fighting Instructions: Follow your company's procedures. Use an extinguishing agent suitable for the surrounding class of fire.

Special Hazards: None. Dispose of fire debris and contaminated fire fighting water in accordance with regulations.

Personal Protective Equipment: Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Methods For Cleaning Up: Put on appropriate personal protective equipment (See Section 8). Use a tool to scoop up and put into appropriate labeled waste container. Keep people out of area. Initiate company's spill response procedures immediately.

Personal Precautions: Put on appropriate personal protective equipment (see Section 8).

Environmental Precautions: No special measures are typically indicated.

7. HANDLING AND STORAGE

Handling

Technical Measures/Precautions: No special technical measures required when product is used as directed on label or package insert.

Safe Handling Advice: Avoid contact with eyes, skin, and clothing. Avoid generating or breathing product aerosol. Wash after handling.
**Storage**

**Technical Measures/Storage Conditions:**
Keep containers in a well ventilated, secure location. Store tightly closed in original container.

**Incompatible Products:**
Not applicable

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Measures:**
General ventilation is typically sufficient to keep airborne levels below established values when product is used as directed on label or on package insert. Provide eye wash and quick drench shower close to work station. Clean, appropriately launder, or dispose of all potentially contaminated work clothing, foot wear, and protective equipment after use.

**Personal Protective Equipment**

**Respiratory Protection:**
Respirator selection must be based on anticipated exposure levels, product hazards, and the safe working limits of the selected respirator. A respirator is not needed under normal and intended conditions of product use.

**Hand Protection:**
Chemical resistant gloves.

**Skin and Body Protection:**
Lab coat.

**Eye Protection:**
Safety glasses, goggles, face-shield where product aerosol or splash potential exists.

**Hygiene Measures:**
Avoid contact with skin, eyes and clothing.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Color:**
Off-white

**Odor:**
No information available

**pH:**
3.5 to 5.5 (acidic)

**Boiling Point/Range:**
100 deg C

**Melting Point/Range:**
Not available.

**Density:**
1.52 (Water = 1) (Mannitol)

**Vapor Density:**
Not determined

**Physical State:**
Solution. Liquid

**Vapor Pressure:**
No data available

**Viscosity:**
Not determined

**Partition Coefficient:**
Not applicable

**Solubility:**
Partly soluble cold water, hot water

**Solubility in Other Solvents:**
None known

**Flash Point:**
Not flammable

**Explosion limits**
- upper
  - no data available
- lower
  - no data available

**Autoignition Temperature:**
Not applicable

**Decomposition Temperature:**
Not applicable

**Dust Explosivity**
Not applicable.
10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.

Conditions to Avoid: Reactive with oxidizing agents, reducing agents.

Materials to Avoid: oxidising agents reducing agents

Polymerization: no data available

Hazardous Decomposition Products: No data available

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:

LD50/oral/rat = Mannitol: 13,500 mg/kg.

LC50/inhalation/rat = not determined

Principal Routes of Exposure: Gastrointestinal tract.

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lens if present. If redness or irritation persists have eyes examined by a doctor immediately.

Skin Contact: Product is not considered to be irritating to the skin.

Ingestion: Harmful if swallowed.

Inhalation: not determined

Chronic Toxicity:

Target Organs Central Nervous System (CNS).

Specific Effects: Adverse effects could include dizziness blurred vision nausea

Sensitization: Not known to be a skin sensitizer.

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: Effects on the embryo, fetus or newborn.

Reproductive Toxicity: No evidence of human reproductive effects.

Aggravated Conditions: None known.

12. ECOLOGICAL INFORMATION

Revision Date: 6/1/2007

Product Name: Telazol
Environmental Fate: Not available.

Environmental Hazards: No known significant effects or critical hazards.

Ecotoxicity Effects: no data available

Aquatic Toxicity: LC50/96 hours/bluegill= 1.4 mg/L (benzethonium chloride).

Mobility: Not applicable

Bioaccumulation: Not applicable

Environmental Precautions: No special measures are typically indicated.

13. DISPOSAL CONSIDERATIONS

Waste/Unused Products: Avoid disposal, make attempts to use product completely in accordance with intended use. Incinerate unwanted products and waste materials.

Contaminated Packaging: Not applicable

14. TRANSPORT INFORMATION

DOT (Road/Rail Transport)

UN/ID Number: Not controlled.
Proper Shipping Name: Not controlled.
Hazard Class: Not controlled.
Packing Group: Not controlled.
DOT Reportable Quantity (lbs): Not controlled.
Marine Pollutant: Not controlled

ICAO/IATA (Air Transport):

UN/ID Number: Not controlled.
Proper Shipping Name: Not controlled.
Hazard Class: Not controlled.
Packing Group: Not controlled.

IMO/IMDG (Maritime Transport):

UN/ID Number: Not controlled.
Proper Shipping Name: Not controlled.
Hazard Class: Not controlled.
Packing Group: Not controlled.
Marine Pollutant: No

15. REGULATORY INFORMATION

Indication of Danger: Not controlled

Revision Date: 6/1/2007
Product Name: Telazol
16. OTHER INFORMATION

Additional Advice: Use this product only in accordance with the directions provided on the product label or the package insert.

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 insert precautions and this information. All materials may present unknown hazards and should be used with caution.

*** End of Safety Data Sheet ***
SAFETY DATA SHEET

VetStat Cassettes
Catalyst Slides/Clips
VetTest Slides/Profiles
Coag Cartridges
VetLyte Electrodes
SediVue Cartridges/Controls
UA Strips

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

<table>
<thead>
<tr>
<th>Product name(s)</th>
<th>Product code(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>VetStat Cassettes</td>
<td>98-13796-00, 98-13895-00, 98-13896-00, 98-13897-00, 98-13898-00, 98-19200-00, 98-19201-00, 98-19202-00, 98-19203-00</td>
</tr>
<tr>
<td>Catalyst Slides/Clips</td>
<td>98-11003-02, 98-11004-01, 98-11005-01, 98-11006-01, 98-11007-01, 98-11008-01, 98-11009-02</td>
</tr>
<tr>
<td>Coag Cartridges</td>
<td>99-13879, 99-13881, 99-13884, 99-13885</td>
</tr>
<tr>
<td>VetLyte Electrodes</td>
<td>98-20632-00, 98-20633-00, 98-20634-00</td>
</tr>
<tr>
<td>SediVue Cartridges, Controls</td>
<td>98-0005077-00, 98-0004877-00</td>
</tr>
<tr>
<td>UA Strips</td>
<td>98-08804-00, 98-10189-01</td>
</tr>
</tbody>
</table>

Identified uses: For veterinary use only.

Company: IDEXX Laboratories, Inc.
One IDEXX Drive
Westbrook, ME 04092
United States

Telephone: 1-800-548-6733
Fax: 1-207-556-4346

24-hour Emergency Phone #
CHEMTREC: 1-800-424-9300
Outside U.S: +(00)-1-703-527-3887
Australia: +(61)-290372994
New Zealand: +(64)-98010034
South Africa: 0-800-983-611
United Kingdom: +(44)-870-8200418

Print Date: 4/5/2017
SAFETY DATA SHEET

VetStat Cassettes
Catalyst Slides/Clips
VetTest Slides/Profiles
Coag Cartridges
VetLyte Electrodes
SediVue Cartridges/Controls
UA Strips

2. HAZARDS IDENTIFICATION

Not a hazardous substance according to GHS.
Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

Other hazards – none

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>EC-No.</th>
<th>Index-No.</th>
<th>RTECS-No.</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Components that are not hazardous or do not need to be disclosed according to applicable regulations</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>&gt; 99%</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

Description of first aid measures
none

Most important symptoms and effects, both acute and delayed
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Indication of any immediate medical attention and special treatment needed
no data available

5. FIRE FIGHTING MEASURES

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture
Carbon oxides, Nitrogen oxides.

Advice for firefighters
Wear self contained breathing apparatus for firefighting if necessary.

Further information
no data available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Wash hands thoroughly after handling.

Environmental precautions
No special environmental precautions required.
SAFETY DATA SHEET

Methods and materials for containment and cleaning up
Sweep up and shovel.

Reference to other sections
For disposal see section 13

7. HANDLING AND STORAGE

Precautions for safe handling
Wash hands thoroughly after handling.

Conditions for safe storage
Keep container tightly closed.

Specific end use
For veterinary use only.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters
Contains no substances with occupational exposure limits.

Exposure controls
Handle in accordance with good industrial hygiene and safety practice.

Personal protective equipment
No special protective equipment required.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>solid/liquid</td>
</tr>
<tr>
<td>Color (Colour)</td>
<td>no data available</td>
</tr>
<tr>
<td>Odor (Odour)</td>
<td>no data available</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>no data available</td>
</tr>
<tr>
<td>pH</td>
<td>no data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>no data available</td>
</tr>
<tr>
<td>Initial boiling point</td>
<td>no data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>not applicable</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>no data available</td>
</tr>
<tr>
<td>Flammability</td>
<td>not applicable</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>no data available</td>
</tr>
<tr>
<td>Vapor (Vapour) pressure</td>
<td>no data available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>no data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>no data available</td>
</tr>
<tr>
<td>Water solubility</td>
<td>no data available</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>no data available</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>no data available</td>
</tr>
</tbody>
</table>

Print Date: 4/5/2017
SAFETY DATA SHEET

VetStat Cassettes
Catalyst Slides/Clips
VetTest Slides/Profiles
Coag Cartridges
VetLyte Electrodes
SediVue Cartridges/Controls
UA Strips

Decomposition temperature: no data available
Viscosity: no data available
Explosive properties: no data available
Oxidizing properties: no data available

10. STABILITY AND REACTIVITY

Reactivity: no data available
Chemical stability: Stable under recommended storage conditions.
Possibility of hazardous reactions: no data available
Conditions to avoid: no data available
Incompatible materials: no data available
Hazardous decomposition products: Carbon oxides, Nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: no data available
Skin corrosion/irritation: no data available
Serious eye damage/eye irritation: no data available
Respiratory or skin sensitization: no data available
Germ cell mutagenicity: no data available
Carcinogenicity: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity: no data available
Specific Target Organ Toxicity – Single Exposure: no data available
Specific Target Organ Toxicity – Repeated Exposure: no data available
Aspiration hazard: no data available

12. ECOLOGICAL INFORMATION

Toxicity to fish: no data available
Toxicity to daphnia and other aquatic invertebrates: no data available
Toxicity to algae: no data available
Persistence and degradability: no data available
Bioaccumulative potential: no data available
Mobility in soil: no data available
PBT and vPvB assessment: no data available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods
Product: Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging: Dispose of as unused product.

Dispose of contents in accordance with local/regional/national/international regulations.
SAFETY DATA SHEET

VetStat Cassettes
Catalyst Slides/Clips
VetTest Slides/Profiles
Coag Cartridges
VetLyte Electrodes
SediVue Cartridges/Controls
UA Strips

14. TRANSPORT INFORMATION

DOT (US) Not a dangerous good
ADR/RID Not a dangerous good
IMDG Not a dangerous good
ICAO/IATA Not a dangerous good

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 453/2010.
This safety datasheet complies with the requirements of Regulation OSHA 1910.1200.

Safety, health and environmental regulations/legislation specific for the substance or mixture
No data available

Chemical Safety Assessment
For this product a chemical safety assessment was not carried out.

16. OTHER INFORMATION

None
1. Identification

Product identifier: TELAZOL

Other means of identification

Synonyms: TELAZOL® * Tiletamine HCL and Zolazepam HCL

Recommended use: Veterinary anesthetic agent

Recommended restrictions: Not for human use

Manufacturer/Importer/Supplier/Distributor information

Company Name (US): Zoetis Inc.
10 Sylvan Way
Parsippany, New Jersey 07054 (USA)

Rocky Mountain Poison and Drug Center: 1-866-531-8896

Product Support/Technical Services: 1-800-366-5288

Emergency telephone numbers: CHEMTREC (24 hours): 1-800-424-9300

Company Name (EU): Zoetis Belgium S.A.
Mercuriusstraat 20
1930 Zaventem
Belgium

Emergency telephone number: International CHEMTREC (24 hours): +1-703-527-3887

Contact E-Mail: VMIPrecords@zoetis.com

2. Hazard(s) identification

Physical hazards: Not classified.

Health hazards

Reproductive toxicity (the unborn child) Category 2
Specific target organ toxicity, single exposure Category 3 narcotic effects
Specific target organ toxicity, repeated exposure Category 2 (central nervous system, kidney, pancreas)

Environmental hazards: Not classified.

OSHA defined hazards: Not classified.

Label elements

Signal word: Warning

Hazard statement: May cause drowsiness or dizziness. Suspected of damaging the unborn child. May cause damage to organs (central nervous system, kidney, pancreas) through prolonged or repeated exposure.

Precautionary statement

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist or vapor. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

Response: If exposed or concerned: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/docotor if you feel unwell.

Storage: Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.
### 3. Composition/information on ingredients

#### Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mannitol</td>
<td></td>
<td>69-65-8</td>
<td>&lt;6</td>
</tr>
<tr>
<td>Tiletamine hydrochloride</td>
<td></td>
<td>14176-50-2</td>
<td>50 mg/ml</td>
</tr>
<tr>
<td>Water for Injection</td>
<td></td>
<td>7732-18-5</td>
<td></td>
</tr>
<tr>
<td>Zolazepam hydrochloride</td>
<td></td>
<td>33754-49-3</td>
<td>50 mg/ml</td>
</tr>
</tbody>
</table>

**Composition comments**

In accordance with 29 CFR 1910.1200, the exact percentage composition of this mixture has been withheld as a trade secret.

### 4. First-aid measures

**Inhalation**

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, trained personnel should give oxygen. Get medical attention immediately.

**Skin contact**

Wash off with soap and plenty of water. Remove contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

**Eye contact**

Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Continue rinsing. Call a physician or poison control center immediately.

**Ingestion**

May cause drowsiness and dizziness. Narcosis. Headache. Nausea, vomiting. Behavioral changes. Decrease in motor functions. Prolonged exposure may cause chronic effects. Individuals sensitive to this chemical or other materials in its chemical class may develop allergic reactions. Clinical use of this drug has caused respiratory depression, gastrointestinal disturbances, allergic skin rash. Anesthetic drug: may cause central nervous system and cardiovascular system effects.

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

May cause drowsiness and dizziness. Narcosis. Headache. Nausea, vomiting. Behavioral changes. Decrease in motor functions. Prolonged exposure may cause chronic effects. Individuals sensitive to this chemical or other materials in its chemical class may develop allergic reactions.

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

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed. Anesthetic drug: may cause central nervous system and cardiovascular system effects.

**General information**

IF exposed or concerned: Get medical advice/attention. For personal protection, see section 8 of the SDS. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

### 5. Fire-fighting measures

**Suitable extinguishing media**

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

**Unsuitable extinguishing media**

Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical**

During fire, gases hazardous to health may be formed.

**Special protective equipment and precautions for firefighters**

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Fire fighting equipment/instructions**

Move containers from fire area if you can do so without risk.

**Specific methods**

Use standard firefighting procedures and consider the hazards of other involved materials.

**General fire hazards**

No unusual fire or explosion hazards noted.

### 6. Accidental release measures

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

Keep unnecessary personnel away. Ensure adequate ventilation. Do not breathe mist or vapor. Avoid contact with eyes, skin, and clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see section 8 of the SDS. Local authorities should be advised if significant spillages cannot be contained.
Ensure adequate ventilation. Avoid release to the environment. Prevent entry into waterways, sewer, basements or confined areas. Remove sources of ignition.

Large Spills: Stop the flow of material, if this is without risk. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions
Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage
Precautions for safe handling
Wear appropriate personal protective equipment. Provide adequate ventilation. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid accidental injection. Avoid prolonged exposure. Wash thoroughly after handling. When using, do not eat, drink or smoke. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities
Store locked up. Store in a well-ventilated place. @ 15-30°C (59-86°F). Protect from sunlight. Use care in handling/storage. Store away from incompatible materials (see Section 10 of the SDS). Keep out of the reach of children.

8. Exposure controls/personal protection
Occupational exposure limits
This mixture has no ingredients that have PEL, TLV, or other recommended exposure limit.

Biological limit values
No biological exposure limits noted for the ingredient(s).

Control banding approach
Tiletamine hydrochloride: Zoetis OEB 2 (control exposure to the range of 100ug/m3 to < 1000ug/m3)
Zolazepam hydrochloride: Zoetis OEB 3 (control exposure to the range of 10ug/m3 to < 100ug/m3)

Appropriate engineering controls
Ensure adequate ventilation, especially in confined areas. Keep air contamination levels below the exposure limits or within the OEB range listed above in this section. General ventilation normally adequate.

Individual protection measures, such as personal protective equipment
Eye/face protection
If contact is likely, safety glasses with side shields are recommended.

Skin protection
Hand protection
Wear protective gloves. Impervious gloves are recommended if skin contact with drug product is possible and for bulk processing operations.

Other
Wear suitable protective clothing. Use protective clothing (uniforms, lab coats, disposable coveralls, etc.) in both production and laboratory areas.

Respiratory protection
No personal respiratory protective equipment normally required. In case of insufficient ventilation, wear suitable respiratory equipment. If airborne exposures are within or exceed the Occupational Exposure Band (OEB) range, wear an appropriate respirator with a protection factor sufficient to control exposures to the bottom of the OEB range. Respiratory protection should be provided in instances where exposure to dust, mists, aerosols or vapors are likely. Chemical respirator with organic vapor cartridge, full facepiece, dust and mist filter.

Thermal hazards
Not applicable.

General hygiene considerations
Observe any medical surveillance requirements. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties
Appearance
Liquid. (After reconstitution).

Physical state
Liquid.

Form
Liquid.

Color
Off-white.

Odor
Not available.

Odor threshold
Not available.

pH
3.5

Melting point/freezing point
Not available.
<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial boiling point and boiling range</td>
<td>212 °F (100 °C)</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td></td>
</tr>
<tr>
<td>Flammability limit - lower (%)</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability limit - upper (%)</td>
<td>Not available</td>
</tr>
<tr>
<td>Explosive limit - lower (%)</td>
<td>Not available</td>
</tr>
<tr>
<td>Explosive limit - upper (%)</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not available</td>
</tr>
<tr>
<td>Relative density</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td></td>
</tr>
<tr>
<td>Solubility (water)</td>
<td>Slightly Soluble</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water)</td>
<td>Not available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available</td>
</tr>
<tr>
<td>Other information</td>
<td></td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not explosive</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>Not oxidizing</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>1.52 (Mannitol)</td>
</tr>
</tbody>
</table>

### 10. Stability and reactivity

**Reactivity**
The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability**
Material is stable under normal conditions.

**Possibility of hazardous reactions**
No dangerous reaction known under conditions of normal use.

**Conditions to avoid**
Contact with incompatible materials.

**Incompatible materials**
Strong oxidizing agents.

**Hazardous decomposition products**
Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition. May include products of carbon, nitrogen. May include hydrogen chloride.

### 11. Toxicological information

**Information on likely routes of exposure**

<table>
<thead>
<tr>
<th>Route</th>
<th>Effects</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Inhalation</strong></td>
<td>May cause drowsiness and dizziness. Headache. Nausea, vomiting. May cause irritation to the respiratory system.</td>
</tr>
<tr>
<td><strong>Skin contact</strong></td>
<td>Prolonged skin contact may cause temporary irritation.</td>
</tr>
<tr>
<td><strong>Eye contact</strong></td>
<td>Direct contact with eyes may cause temporary irritation.</td>
</tr>
<tr>
<td><strong>Ingestion</strong></td>
<td>May be harmful if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.</td>
</tr>
</tbody>
</table>

**Symptoms related to the physical, chemical and toxicological characteristics**
May cause drowsiness and dizziness. Narcosis. Headache. Nausea, vomiting. Behavioral changes. Decrease in motor functions. Individuals sensitive to this material or other materials in its chemical class may develop allergic reactions. Clinical use of this drug has caused respiratory depression, gastrointestinal disturbances, allergic skin rash. Anesthetic drug: may cause central nervous system and cardiovascular system effects.

**Information on toxicological effects**

<table>
<thead>
<tr>
<th>Effect</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Acute toxicity</strong></td>
<td>May be harmful if inhaled. May be harmful if swallowed.</td>
</tr>
</tbody>
</table>
### Material name: TELAZOL

#### Version #: 02  Revision date: 04-28-2017  Issue date: 08-13-2013

#### Test Results

<table>
<thead>
<tr>
<th>Product</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TELAZOL</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Oral</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>&gt; 5000 mg/kg (ATE)</td>
</tr>
</tbody>
</table>

| **Components**   |         |              |
| **Species**      |         | **Test Results** |
| Mannitol (CAS 69-65-8) |       |              |
| **Acute**        |         |              |
| **Oral**         |         |              |
| LD50             | Mouse   | 22 g/kg      |
|                 | Rat     | 13500 mg/kg  |
| **Zolazepam (CAS 31352-82-6)** |       |              |
| **Acute**        |         |              |
| **Oral**         |         |              |
| LD50             | Rat     | 398 mg/kg    |
| **Subchronic**   |         |              |
| LOAEL            | Dog     | 10 mg/kg/day, 3 months [Target organ(s): Central Nervous System, Gastrointestinal system] |
|                 | Monkey  | 10 mg/kg/day, 3 months [Target organ(s): Central Nervous System] |
| **NOAEL**        | Rat     | 10 mg/kg/day, 91 days [Target organ(s): Pancreas, Kidney] |

#### Skin corrosion/irritation
Prolonged skin contact may cause temporary irritation.

#### Serious eye damage/eye irritation
Direct contact with eyes may cause temporary irritation.

#### Respiratory or skin sensitization

<table>
<thead>
<tr>
<th>Respiratory sensitization</th>
<th>Not a respiratory sensitizer.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin sensitization</td>
<td>Due to partial or complete lack of data the classification is not possible. Individuals sensitive to this material or other materials in its chemical class may develop allergic reactions.</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.</td>
</tr>
</tbody>
</table>

#### Carcinogenicity
This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

IARC Monographs. Overall Evaluation of Carcinogenicity
Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens
Not listed.

#### Reproductive toxicity
Suspected of damaging the unborn child. This compound can cross the placenta in pregnant women.

#### Specific target organ toxicity - single exposure
May cause drowsiness and dizziness.

#### Specific target organ toxicity - repeated exposure
May cause damage to organs (central nervous system, kidney, pancreas) through prolonged or repeated exposure.

#### Aspiration hazard
Not an aspiration hazard.

#### Chronic effects
May cause damage to organs through prolonged or repeated exposure.

#### Further information
Anesthetic drug: may cause central nervous system and cardiovascular system effects. Accidental injection of this product may result in anesthetic and other central nervous system effects. Convulsions, lethargy, respiratory depression, and muscle relaxation may occur. Cardiovascular effects (increase heart rate, changes in blood pressure) may also occur. Pulmonary edema with resultant shortness of breath may be seen as well as nausea and vomiting.
12. Ecological information

Ecotoxicity
The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. Avoid release to the environment.

Persistence and degradability
No data is available on the degradability of this product.

Bioaccumulative potential
No data available.

Mobility in soil
No data available.

Other adverse effects
No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions
Avoid release to the environment. Do not discharge into drains, water courses or onto the ground. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Considering the relevant known environmental and human health hazards of the material, review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure and environmental release. It is recommended that waste minimization be practiced. The best available technology should be utilized to prevent environmental releases. This may include destructive techniques for waste and wastewater. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations
Dispose in accordance with all applicable regulations.

Hazardous waste code
None known.

Waste from residues / unused products
Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging
Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT
Not regulated as dangerous goods.

IATA
Not regulated as dangerous goods.

IMDG
Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not established.

15. Regulatory information

US federal regulations
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)
Not listed.

SARA 304 Emergency release notification
Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance
Not listed.
SARA 311/312 Hazardous chemical
No
SARA 313 (TRI reporting)
Not regulated.

Other federal regulations
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.
Safe Drinking Water Act (SDWA)
Not regulated.

US state regulations
California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>No</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>No</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>No</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>No</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>No</td>
</tr>
</tbody>
</table>

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
 A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 08-13-2013
Revision date 04-28-2017
Version # 02

List of abbreviations
ATE: Acute Toxicity Estimate according to REGULATION (EC) No 1272/2008 (CLP).

Disclaimer
Zoetis Inc. believes that the information contained in this Safety Data Sheet is accurate, and while it is provided in good faith, it is without warranty of any kind, expressed or implied. If data for a hazard are not included in this document there is no known information at this time. The information in the sheet was written based on the best knowledge and experience currently available.

Revision information
This document has undergone significant changes and should be reviewed in its entirety.
1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product name(s) VetStat Cassettes
Product code(s) 98-13796-00, 98-13895-00, 98-13896-00, 98-13897-00, 98-13898-00, 98-19200-00, 98-19201-00, 98-19202-00, 98-19203-00

Product name(s) Catalyst Slides/Clips

Product name(s) VetTest Slides/Profiles

Product name(s) Coag Cartridges
Product code(s) 99-13879, 99-13881, 99-13884, 99-13885

Product name(s) VetLyte Electrodes
Product code(s) 98-20632-00, 98-20633-00, 98-20634-00

Product name(s) SediVue Cartridges, Controls
Product code(s) 98-0005077-00, 98-0005077-01, 98-0004877-00

Product name(s) UA Strips
Product code(s) 98-08804-00, 98-10189-01

Identified uses For veterinary use only.
2. HAZARDS IDENTIFICATION

Not a hazardous substance according to GHS.
Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

Other hazards – none

3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>EC-No.</th>
<th>Index-No.</th>
<th>RTECS-No.</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Components that are not hazardous or do not need to be disclosed</td>
<td></td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>&gt; 99%</td>
</tr>
<tr>
<td>according to applicable regulations</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

Description of first aid measures
none

Most important symptoms and effects, both acute and delayed
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Indication of any immediate medical attention and special treatment needed
no data available

5. FIRE FIGHTING MEASURES

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture
Carbon oxides, Nitrogen oxides.

Advice for firefighters
Wear self contained breathing apparatus for firefighting if necessary.

Further information
no data available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Wash hands thoroughly after handling.

Environmental precautions
No special environmental precautions required.
Methods and materials for containment and cleaning up
Sweep up and shovel.

Reference to other sections
For disposal see section 13

7. HANDLING AND STORAGE

Precautions for safe handling
Wash hands thoroughly after handling.

Conditions for safe storage
Keep container tightly closed.

Specific end use
For veterinary use only.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters
Contains no substances with occupational exposure limits.

Exposure controls
Handle in accordance with good industrial hygiene and safety practice.

Personal protective equipment
No special protective equipment required.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>solid/liquid</td>
</tr>
<tr>
<td>Color (Colour)</td>
<td>no data available</td>
</tr>
<tr>
<td>Odor (Odour)</td>
<td>no data available</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>no data available</td>
</tr>
<tr>
<td>pH</td>
<td>no data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>no data available</td>
</tr>
<tr>
<td>Initial boiling point</td>
<td>no data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>not applicable</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>no data available</td>
</tr>
<tr>
<td>Flammability</td>
<td>not applicable</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>no data available</td>
</tr>
<tr>
<td>Vapor (Vapour) pressure</td>
<td>no data available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>no data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>no data available</td>
</tr>
<tr>
<td>Water solubility</td>
<td>no data available</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>no data available</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>no data available</td>
</tr>
</tbody>
</table>
Decomposition temperature: no data available
Viscosity: no data available
Explosive properties: no data available
Oxidizing properties: no data available

10. STABILITY AND REACTIVITY

Reactivity: no data available
Chemical stability: Stable under recommended storage conditions.
Possibility of hazardous reactions: no data available
Conditions to avoid: no data available
Incompatible materials: no data available
Hazardous decomposition products: Carbon oxides, Nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: no data available
Skin corrosion/irritation: no data available
Serious eye damage/eye irritation: no data available
Respiratory or skin sensitization: no data available
Germ cell mutagenicity: no data available
Carcinogenicity: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity: no data available
Specific Target Organ Toxicity – Single Exposure: no data available
Specific Target Organ Toxicity – Repeated Exposure: no data available
Aspiration hazard: no data available

12. ECOLOGICAL INFORMATION

Toxicity to fish: no data available
Toxicity to daphnia and other aquatic invertebrates: no data available
Toxicity to algae: no data available
Persistence and degradability: no data available
Bioaccumulative potential: no data available
Mobility in soil: no data available
PBT and vPvB assessment: no data available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods
Product: Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging: Dispose of as unused product.
Dispose of contents in accordance with local/regional/national/international regulations.
14. TRANSPORT INFORMATION

DOT (US)  Not a dangerous good
ADR/RID   Not a dangerous good
IMDG      Not a dangerous good
ICAO/IATA Not a dangerous good

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 453/2010.
This safety datasheet complies with the requirements of Regulation OSHA 1910.1200.

Safety, health and environmental regulations/legislation specific for the substance or mixture
No data available

Chemical Safety Assessment
For this product a chemical safety assessment was not carried out.

16. OTHER INFORMATION

None