Section 1 - Identification of the Material and Supplier

Australia Pty Ltd
ABN 94 156 476 425
Level 6, 5 Rider Blvd
Rhodes NSW 2138 AUSTRALIA
Tel: 1800 814 883
Fax: (02) 8876 0444
Email: productsupport.au@zoetis.com

Chemical nature: Blend of ingredients. Active ingredient is an antibiotic
Trade Name: VibraVet 100 Paste for Cats and Dogs
Product Use: Antibiotic paste for cats and dogs for use as described on the product label
Creation Date: September 2006
This version issued: 22 September 2021 and is valid for five years from this date

Section 2 - Hazards Identification

Appearance: Light brown paste
Classification of the Substance or Mixture
GHS – Classification
Reproductive Toxicity: Category 1A

Label Elements

Signal Word: Danger
Hazard Statements: H360 - May damage fertility or the unborn child

Precautionary Statements:
P281 - Use personal protective equipment as required
P308 + P313 - IF exposed or concerned: Get medical attention/advice
P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood

Other Hazards

Short Term: May cause allergic reactions in susceptible individuals.
Long Term: Repeat-dose studies in animals have shown a potential to cause adverse effects on liver.

Known Clinical Effects:
May cause permanent discoloration of teeth if used during tooth development. May cause effects similar to those generally seen in clinical use of tetracyclines including gastrointestinal irritation, nausea, vomiting, and diarrhea. Photosensitivity has been reported in some individuals taking tetracyclines.

Note: This document has been prepared in accordance with standards for workplace safety, which require the inclusion of all known hazards of the product or its ingredients regardless of the potential risk.

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Poisons Information Centre: 13 11 26 from anywhere in Australia, (0800 764 766 in New Zealand)
Section 3 - Composition/Information on Ingredients

Hazardous Ingredients | CAS No | Conc % | GHS Classification
--- | --- | --- | ---
Doxycycline monohydrate | 17086-28-1 | 10 | Repr. 1A (H360)
Silicon dioxide, colloidal NF | 7631-86-9 | * | Not Listed
Paraffin | 8002-74-2 | * | Not Listed
Sodium saccharin | 128-44-9 | * | Not Listed
Sodium metabisulfite USP | 7681-57-4 | <1.0 | Acute Tox. 4 (H302)

Ingredients | CAS No | Conc % | GHS Classification
--- | --- | --- | ---
Flavor | NOT ASSIGNED | * | Not Listed
Edetate disodium | 139-33-3 | * | Not Listed
Caprylic/Capric triglyceride | 73398-61-5 | * | Not Listed

Additional Information: * Proprietary
Ingredient(s) indicated as hazardous have been assessed under standards for workplace safety.

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non-hazardous ingredients are also possible.

Section 4 - First Aid Measures

Description of First Aid Measures

**Eye Contact:**
Flush with water while holding eyelids open for at least 15 minutes. Seek medical attention immediately.

**Skin Contact:**
Remove contaminated clothing. Flush area with large amounts of water. Use soap. Seek medical attention.

**Ingestion:**
Never give anything by mouth to an unconscious person. Wash out mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical attention immediately.

**Inhalation:**
Remove to fresh air and keep patient at rest. Seek medical attention immediately.

Most Important Symptoms and Effects, Both Acute and Delayed

**Symptoms and Effects of Exposure:**
For information on potential signs and symptoms of exposure, see Section 2 - Hazards Identification and/or Section 11 - Toxicological Information.

**Medical Conditions Aggravated by Exposure:**
None known

Indication of the Immediate Medical Attention and Special Treatment Needed

**Notes to Physician:**
None

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This version issued: 22 September 2021
Section 5 - Fire Fighting Measures

Extinguishing Media: Use carbon dioxide, dry chemical, or water spray.

Special Hazards Arising from the Substance or Mixture

Hazardous Combustion Products: Emits toxic fumes of carbon monoxide, carbon dioxide, and nitrogen oxides.

Fire / Explosion Hazards: Fine particles (such as dust and mists) may fuel fires/explosions.

Advice for Fire-Fighters
During all firefighting activities, wear appropriate protective equipment, including self-contained breathing apparatus.

Section 6 - Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures
Personnel involved in clean-up should wear appropriate personal protective equipment (see Section 8). Minimize exposure.

Environmental Precautions
Place waste in an appropriately labeled, sealed container for disposal. Care should be taken to avoid environmental release.

Methods and Material for Containment and Cleaning Up

Measures for Cleaning / Collecting: Contain the source of the spill or leak. Wipe up with a damp cloth and place in container for disposal. Clean spill area thoroughly.

Additional Consideration for Large Spills: Non-essential personnel should be evacuated from affected area. Report emergency situations immediately. Clean up operations should only be undertaken by trained personnel.

Section 7 - Handling and Storage

Precautions for Safe Handling
Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing. When handling, use appropriate personal protective equipment (see Section 8). Releases to the environment should be avoided.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions: Store at room temperature in properly labeled containers. Keep away from heat, sparks and flames.

Storage Temperature: Store as directed by product packaging.

Incompatible Materials: Acids

Specific end use(s): No data available

Section 8 - Exposure Controls and Personal Protection
Control Parameters

**Doxycycline monohydrate**
- Zoetis OEL TWA 8-hr: 250 ug/m³

**Silicon dioxide, colloidal NF**
- Australia TWA: 2 mg/m³

**Paraffin**
- ACGIH Threshold Limit Value (TWA): 2 mg/m³
- Australia TWA: 2 mg/m³

**Sodium metabisulfite USP**
- ACGIH Threshold Limit Value (TWA): 5 mg/m³
- Australia TWA: 5 mg/m³

Exposure Controls

**Engineering Controls:** Engineering controls should be used as the primary means to control exposures. General room ventilation is adequate unless the process generates dust, mist, or fumes. Keep airborne contamination levels below the exposure limits listed above in this section.

**Personal Protective Equipment:** Refer to applicable national standards and regulations in the selection and use of personal protective equipment (PPE).

**Hands:** Wear impervious gloves if skin contact is possible.

**Eyes:** Safety glasses or goggles

**Skin:** Use protective clothing (uniforms, lab coats, disposable coveralls, etc.) in both production and laboratory areas.

**Respiratory protection:** If the applicable Occupational Exposure Limit (OEL) is exceeded, wear an appropriate respirator with a protection factor sufficient to control exposures to below the OEL.

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### Section 9 - Physical and Chemical Properties:

<table>
<thead>
<tr>
<th>Physical State:</th>
<th>Paste</th>
<th>Color:</th>
<th>Light brown</th>
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<tr>
<td>Odor:</td>
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<td>Odor Threshold:</td>
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</tr>
<tr>
<td>Molecular Formula:</td>
<td>Mixture</td>
<td>Molecular Weight:</td>
<td>Mixture</td>
</tr>
</tbody>
</table>

| Solvent Solubility: | No data available |
| Water Solubility:   | No data available |
| pH:                 | No data available |
| Melting/Freezing Point (°C): | No data available |
| Boiling Point (°C):  | No data available |
| Partition Coefficient: (Method, pH, Endpoint, Value) | No data available |
| Decomposition Temperature (°C): | No data available |

| Evaporation Rate (Gram/s): | No data available |
| Vapor Pressure (kPa):       | No data available |
| Vapor Density (g/ml):       | No data available |
| Relative Density:           | No data available |
| Viscosity:                  | No data available |

**Flammability:**
- Autoignition Temperature (Solid) (°C): No data available

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Section 10 - Stability and Reactivity

Reactivity: No data available
Chemical Stability: Stable under normal conditions of use
Possibility of Hazardous Reactions
Oxidizing Properties: No data available
Conditions to Avoid: Fine particles (such as dust and mists) may fuel fires/explosions.
Incompatible Materials: Acids
Hazardous Decomposition
Products:

Polymerisation: This product will not undergo polymerisation reactions.

Section 11 - Toxicological Information

Information on Toxicological Effects
General Information: Toxicological properties of the formulation have not been fully investigated. The information included in this section describes the potential hazards of the individual ingredients.

Acute Toxicity: (Species, Route, End Point, Dose)

Caprylic/Capric triglyceride
Rat Oral LD50 > 5000 mg/kg

Edetate disodium
Rat Oral LD50 2000-2200 mg/kg

Sodium saccharin
Mouse Oral LD50 17.5 g/kg
Rat Oral LD50 14.2 - 17g/kg
Rat Intraperitoneal LD50 7100mg/kg

Paraffin
Rat Oral LD50 >3750 mg/kg
Rabbit Dermal LD50 >3600mg/kg

Acute Toxicity Comments: A greater than symbol (>) indicates that the toxicity endpoint being tested was not achievable at the highest dose used in the test.

Irritation / Sensitization: (Study Type, Species, Severity)

Paraffin
Skin Irritation Rabbit Mild
Eye Irritation Rabbit Mild

Repeated Dose Toxicity: (Duration, Species, Route, Dose, End Point, Target Organ)
**Doxycycline monohydrate**

<table>
<thead>
<tr>
<th>Duration</th>
<th>Species</th>
<th>Route</th>
<th>NOEL</th>
<th>LOAEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 Day(s)</td>
<td>Rat</td>
<td>Oral 500 mg/kg/day</td>
<td>No effects at maximum dose</td>
<td>Kidney, Ureter, Bladder</td>
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<tr>
<td>18 Month(s)</td>
<td>Rat</td>
<td>Oral 500 mg/kg/day</td>
<td>None identified</td>
<td>None identified</td>
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<tr>
<td>1 Year(s)</td>
<td>Dog</td>
<td>Oral 100 mg/kg/day</td>
<td>LOEL</td>
<td>Liver</td>
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</table>

**Sodium saccharin**

<table>
<thead>
<tr>
<th>Duration</th>
<th>Species</th>
<th>Route</th>
<th>LOAEL</th>
<th>Effect(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>36 Week(s)</td>
<td>Rat</td>
<td>Oral 756 g/kg</td>
<td>LOAEL</td>
<td>Kidney, Ureter, Bladder</td>
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<tr>
<td>54 Day(s)</td>
<td>Rat</td>
<td>Oral 32400 mg/kg</td>
<td>LOAEL</td>
<td>Immune system</td>
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**Reproduction & Developmental Toxicity: (Study Type, Species, Route, Dose, End Point, Effect(s))**

**Doxycycline monohydrate**

- **Reproductive & Fertility**: Rat Oral 250 mg/kg/day NOAEL No effects at maximum dose
- **Embryo / Fetal Development**: Monkey Oral 50 mg/kg/day NOAEL Not Teratogenic

**Carcinogen Status**: None of the components of this formulation are listed as a carcinogen by IARC, NTP or OSHA.

**Silicon dioxide, colloidal NF**

- **IARC**: Group 3 (Not Classifiable)

**Sodium saccharin**

- **IARC**: Group 3 (Not Classifiable)

**Sodium metabisulfite USP**

- **IRAC**: Group 3 (Not Classifiable)

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**Section 12 - Ecological Information**

**Environmental Overview**: The environmental characteristics of this material have not been fully evaluated. Releases to the environment should be avoided.

**Toxicity**: No data available

**Persistence and Degradability**: No data available

**Bio-accumulative Potential**: No data available

**Mobility in Soil**: No data available

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**Section 13 - Disposal Considerations**

**Waste Treatment Methods**: Dispose of small quantities and empty containers by wrapping with **MATERIAL SAFETY DATA SHEET**

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Section 14 - Transport Information

The following refers to all modes of transportation unless specified below.

Not regulated for transport under IATA, ADG or IMDG regulations.

Section 15 - Regulatory Information

Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

Poison Schedule: Schedule 4

Doxycycline monohydrate
  Australia (AICS): Present

Silicon dioxide, colloidal NF
  Australia (AICS): Present

Paraffin
  Australia (AICS): Present

Edetate disodium
  Australia (AICS): Present

Sodium saccharin
  Australia (AICS): Present

Caprylic/Capric triglyceride
  Australia (AICS): Present

Sodium metabisulfite USP
  Australia (AICS): Present

Section 16 - Other Information

This version issued: 22 September 2021 and is valid for 5 years from this date
Supersedes: Revision issued 1 October 2016

Revision History:

<table>
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<tr>
<th>Date of Revision</th>
<th>Reason</th>
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<tr>
<td>October 2015</td>
<td>Update Zoetis name and address</td>
</tr>
<tr>
<td>01 Oct 2016</td>
<td>Update to GHS format.</td>
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<tr>
<td>22 Sep 2021</td>
<td>Periodical revision</td>
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