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

Product Name: EASOTIC® Otic Suspension
Product Description: Auricular treatment for otitis in dogs
Manufacturer/Supplier: Virbac AH, Inc.
Address: P.O. Box 162059
Fort Worth, Texas 76161
Phone Number: (800) 338-3659 for Technical Support
Chemtrec Number (24 hour): (800) 424-9300
Emergency Number: (800) 338-3659 for Human and Animal Medical Emergencies
MSDS Revision Date: November 18, 2011
Supersedes MSDS Dated: October 29, 2011


2. HAZARDS IDENTIFICATION

Emergency Overview
CAUTION!
Avoid contact with eyes and skin.
Harmful if swallowed.
Keep out of reach of children.
Read entire label before each use.

Routes of Entry
Eye - Skin - Ingestion

Carcinogenic Status
Not considered carcinogenic by NTP, IARC, and OSHA.

Target Organs
Eyes - Skin - Central Nervous System - Blood - Reproductive System

Health Effects - Eyes
Contact with eyes can cause irritation.

Health Effects - Skin
Contact with skin may cause slight irritation and skin sensitization.

Health Effects - Ingestion
Harmful if swallowed. Prolonged, repeated ingestion can cause adverse effects to the central nervous system, blood and reproductive system.

Health Effects - Inhalation
No adverse effects are expected during normal conditions of use.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component Name</th>
<th>CAS Number</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrocortisone Aceponate</td>
<td>74050-20-7</td>
<td>0.14% (1.11 mg/ml)</td>
</tr>
<tr>
<td>Miconazole Nitrate</td>
<td>22832-87-7</td>
<td>2.14% (15.1 mg/ml)</td>
</tr>
<tr>
<td>Gentamycin Sulfate</td>
<td>1405-41-0</td>
<td>0.37% (1505 IU/ml)</td>
</tr>
<tr>
<td>Paraffin</td>
<td>8002-74-2</td>
<td>NA</td>
</tr>
</tbody>
</table>

Revision Date: November 18, 2011
4. **FIRST AID MEASURES**

   **Eyes**
   Immediately flood the eye with plenty of water for at least 15-20 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.

   **Skin**
   If irritation develops wash skin thoroughly with soap and water. Obtain medical attention if redness or soreness 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.

   **Advice to Physicians**
   Federal (U.S.A.) law restricts this drug to use by or on the order of a licensed veterinarian.

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**

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

7. **HANDLING AND STORAGE**

   Store in original container in a cool, dry place. Store away from children and pets. Do not store near foodstuffs. Do not contaminate water, food or feed by storage. Wear appropriate protective clothing. Avoid contact with eyes. Wash hands thoroughly after handling and before eating, drinking or smoking.

8. **EXPOSURE CONTROLS/PERSONAL PROTECTION**

   **Occupational Exposure Standards**
   Exposure limits are listed below, if they exist.

   **Hydrocortisone Aceponate**
   None established

   **Miconazole Nitrate**
   None established

   **Gentamycin Sulfate**
   None established

   **Paraffin Wax Fume**
   ACGIH: TLV 2 mg/m³ TWA

   **Engineering Control Measures**
   No specific measures necessary. Good general room ventilation is expected to be adequate to control airborne levels.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection
Not required under normal conditions of use.
Hand Protection
Chemical resistant gloves.
Eye Protection
Safety glasses or goggles.
Body Protection
Waterproof apron.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid (Suspension)</td>
</tr>
<tr>
<td>Color</td>
<td>Opaque White</td>
</tr>
<tr>
<td>Odor</td>
<td>None</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling Range/Point (°C/F)</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting Point (°C/F)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash Point (PMCC) (°C/F)</td>
<td>Not flammable</td>
</tr>
<tr>
<td>Explosion Limits (%)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Density</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Vapor Density (Air = 1)</td>
<td>No data available</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Stability
Stable under normal conditions.
Conditions to Avoid
Heat - high temperatures
Materials to Avoid
Strong oxidizers
Hazardous Polymerization
Will not occur.
Hazardous Decomposition Products
Oxides of carbon – oxides of nitrogen – hydrogen chloride gas

11. TOXICOLOGICAL INFORMATION

See product packaging for additional information.
Acute Toxicity
Hydrocortisone Aceponate: Oral LD50 (rat) 2200 mg/kg
Miconazole Nitrate: Oral LD50 (rat) 640 mg/kg
Specific Target Organ Systemic Toxicity (single and repeat)
Miconazole Nitrate: May affect the central nervous system (drowsiness and headache). Prolonged or repeated ingestion may cause changes in blood cell count.
Gentamycin Sulfate: In humans receiving systemic Gentamycin therapy, ototoxicity and nephrotoxicity have occurred.
11. TOXICOLOGICAL INFORMATION

Serious Eye damage/Eye Irritation
No relevant studies identified.

Skin Corrosion/Irritation
No relevant studies identified.

Respiratory or Skin Sensitization
Miconazole Nitrate: Local sensitivity reactions have been reported in humans.
Gentamycin sulfate: May cause allergic skin and respiratory reactions and photosensitivity.

Carcinogenicity
Not considered carcinogenic by NTP, IARC, and OSHA.

Germ Cell Mutagenicity
No relevant studies identified.

Toxicity to Reproduction
Miconazole Nitrate: May cause adverse reproductive effects based on animal oral toxicity studies at
doses equal or above 80 mg/kg/day.

12. ECOLOGICAL INFORMATION

Mobility
No relevant studies identified.

Persistence/Degradability
No relevant studies identified.

Bio-accumulation
No relevant studies identified.

Ecotoxicity
No relevant studies identified.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

Contact supplier for transport information.

15. REGULATORY INFORMATION

<table>
<thead>
<tr>
<th>US REGULATIONS (Federal, State) and INTERNATIONAL CHEMICAL REGISTRATION LAWS</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA Listing</td>
</tr>
<tr>
<td>This product contains ingredients that are listed on or exempt from listing on the EPA Toxic Substance</td>
</tr>
<tr>
<td>Control Act Chemical Substance (TSCA) Inventory.</td>
</tr>
<tr>
<td>DSL (Canadian) Listing</td>
</tr>
<tr>
<td>This product contains ingredients that are not listed on the Domestic Substance List (DSL).</td>
</tr>
<tr>
<td>WHMIS Classification</td>
</tr>
<tr>
<td>D.2.A</td>
</tr>
<tr>
<td>This product was classified in accordance with the hazard criteria of the Canadian Controlled Products</td>
</tr>
<tr>
<td>Regulations and the MSDS contains all the information required by these regulations.</td>
</tr>
<tr>
<td>MA Right To Know Law</td>
</tr>
<tr>
<td>This product contains the following chemicals on the Massachusetts Right to Know Law: None</td>
</tr>
<tr>
<td>PA Right To Know Law</td>
</tr>
<tr>
<td>This product contains the following chemicals on the Pennsylvania Hazardous Substance List: Paraffin</td>
</tr>
<tr>
<td>(8042-47-5)</td>
</tr>
</tbody>
</table>
15. **REGULATORY INFORMATION**

**NJ Right To Know Law**
This product contains the following chemicals on the New Jersey Workplace Hazardous Substance List: Paraffin (8042-47-5)

**California Proposition 65**
This product contains the following materials which the State of California has found to cause cancer, birth defects or other reproductive harm: None

**SARA Title III Sect. 311/312 Categorization**
Immediate (acute) Delayed (chronic)

**SARA Title III Sect. 313**
This product contains the following chemicals that are listed in Section 313 at or above de minimis concentrations: None

16. **OTHER INFORMATION**

**NFPA Ratings**
NFPA Code for Flammability - 0
NFPA Code for Health - 1
NFPA Code for Reactivity - 0
NFPA Code for Special Hazards – 0

**HMIS Ratings**
HMIS Code for Flammability - 0
HMIS Code for Health – 1*
HMIS Code for Reactivity - 0
HMIS Code for Personal Protection - See Section 8

**Abbreviations**
ACGIH: American Conference of Governmental Industrial Hygienists
BOD: Biological Oxygen Demand
CAS#: Chemical Abstracts Service Number
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

**For further Information call:** (800) 338-3659
**Prepared By:** EnviroNet LLC

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