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

Product Name: EPI-OTIC® Advanced Ear Cleanser
Product Description: Ear cleanser for dogs, cats, puppies, and kittens
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: March 2, 2011
Supersedes MSDS Dated: March 20, 2009

Material Safety Data Sheet in compliance with OSHA’s Hazcom Standard (29 CFR 1910.1200)

2. HAZARDS IDENTIFICATION

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

Routes of Entry
Eye contact - Skin contact - Ingestion

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

Target Organs
Eyes - Skin - Kidneys - Liver - Blood - Central Nervous system

Health Effects - Eyes
Contact with eyes can cause moderate irritation.

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

Health Effects - Ingestion
Harmful if swallowed. Ingestion of this material may cause gastrointestinal effects such as nausea, vomiting and diarrhea. Prolonged, repeated ingestion can cause adverse effects to the central nervous system, kidneys, liver and blood.

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>Salicylic Acid</td>
<td>69-72-7</td>
<td>0.2%</td>
</tr>
<tr>
<td>Diethylene glycol monoethyl ether</td>
<td>111-90-0</td>
<td>1 - 5%</td>
</tr>
<tr>
<td>Triethanolamine</td>
<td>102-71-6</td>
<td>1 - 5%</td>
</tr>
</tbody>
</table>
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
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

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.

Salicylic Acid
None established

Diethylene glycol monoethyl ether
Supplier recommended limit: 25 ppm TWA

Triethanolamine
ACGIH: TLV 5 mg/m³ 8h 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</td>
</tr>
<tr>
<td>Color</td>
<td>Blue</td>
</tr>
<tr>
<td>Odor</td>
<td>Citrus</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>~1</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>Soluble</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 - strong acids - bases

**Hazardous Polymerization**
Will not occur.

**Hazardous Decomposition Products**
Oxides of carbon – organic compounds

11. TOXICOLOGICAL INFORMATION

See product packaging for additional information.

**Acute Toxicity**
- Salicylic acid: Oral LD50 (rat) 891 mg/kg, Dermal LD50 (rabbit) >10,000 mg/kg,
  Inhalation LC50 >900 mg/m³ (rat)
- Triethanolamine: Oral LD50 (rat) >5000 mg/kg, Dermal LD50 (rabbit) >2000 mg/kg,
- Diethylene glycol monoethyl ether: Oral LD50 (rat) 1920 - 9050 mg/kg,
  Dermal LD50 (rabbit) >8400 mg/kg
11. TOXICOLOGICAL INFORMATION

Specific Target Organ Systemic Toxicity (single and repeat)
Salicylic acid: Chronic exposure may cause adverse effects to the central nervous system, lungs, kidneys and liver. Skin absorption of salicylic acid may enhance the symptoms of ingestion.
Diethylene glycol monoethyl ether: Effects of repeated exposure in animals have been reported on the following: blood. May cause central nervous system effects.
Triethanolamine: In animal feeding studies effects were reported on the liver and kidneys.

Serious Eye damage/Eye Irritation
Salicylic acid: Severe eye irritant (rabbit)
Diethylene glycol monoethyl ether: May cause moderate eye irritation.
Triethanolamine: non-irritating

Skin Corrosion/Irritation
Salicylic acid: Slightly irritating (rabbit)
Triethanolamine: non-irritating

Respiratory or Skin Sensitization
Salicylic acid: May cause allergic reactions in people with aspirin sensitivities and asthma.

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

Germ Cell Mutagenicity
Salicylic acid: Not mutagenic in laboratory studies.
Diethylene glycol monoethyl ether: In vitro genetic toxicity studies were predominantly negative. Animal genetic toxicity studies were negative.

Toxicity to Reproduction
Salicylic acid: Based on animal feeding studies, may cause reproductive and developmental abnormalities.
Diethylene glycol monoethyl ether: Did not cause embryotoxicity, fetotoxicity or developmental toxicity in laboratory animal studies. One study showed some toxic effects but only at the highest concentrations tested.

12. ECOLOGICAL INFORMATION

Mobility
No relevant studies identified.

Persistence/Degradability
Salicylic acid: Readily biodegradable

Bio-accumulation
No relevant studies identified.

Ecotoxicity
Salicylic acid: EC50 fresh water algae 100 mg/l 72 hr, EC50 Daphnia 180 mg/l 24hr
Diethylene glycol monoethyl ether: LC50, bluegill 21,400 mg/l 96 h
EC50, water flea Daphnia magna, 3,940 - 4,670 mg/l 48 h

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

DOT CFR 172.101 Data
Not Regulated

UN Proper Shipping Name
Not Regulated

UN Class
None.

UN Number
None.

UN Packaging Group
None.

Classification for AIR
Consult current IATA Regulations prior to shipping by air.

Transportation (IATA)
15. REGULATORY INFORMATION

<table>
<thead>
<tr>
<th>US REGULATIONS (Federal, State) and INTERNATIONAL CHEMICAL REGISTRATION LAWS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TSCA Listing</strong></td>
</tr>
<tr>
<td>This product contains ingredients that are listed on or exempt from listing on the EPA Toxic Substance Control Act Chemical Substance (TSCA) Inventory.</td>
</tr>
<tr>
<td><strong>DSL (Canadian) Listing</strong></td>
</tr>
<tr>
<td>This product contains ingredients that have not been verified for listing on the Domestic Substance List (DSL).</td>
</tr>
<tr>
<td><strong>WHMIS Classification</strong></td>
</tr>
<tr>
<td>D.2.B</td>
</tr>
<tr>
<td>This product was classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations and the MSDS contains all the information required by these regulations.</td>
</tr>
<tr>
<td><strong>MA Right To Know Law</strong></td>
</tr>
<tr>
<td>This product contains the following chemicals on the Massachusetts Right to Know Law: 2-phenoxyethanol (122-99-6) &lt;0.5% - Triethanolamine (102-71-6)</td>
</tr>
<tr>
<td><strong>PA Right To Know Law</strong></td>
</tr>
<tr>
<td>This product contains the following chemicals on the Pennsylvania Hazardous Substance List: 2-phenoxyethanol (122-99-6) &lt;0.5% - Diethylene glycol monoethyl ether(111-90-0) – Triethanolamine (102-71-6)</td>
</tr>
<tr>
<td><strong>NJ Right To Know Law</strong></td>
</tr>
<tr>
<td>This product contains the following chemicals on the New Jersey Workplace Hazardous Substance List: 2-phenoxyethanol (122-99-6) &lt;0.5% - Diethylene glycol monoethyl ether(111-90-0)</td>
</tr>
<tr>
<td><strong>California Proposition 65</strong></td>
</tr>
<tr>
<td>This product contains the following materials which the State of California has found to cause cancer, birth defects or other reproductive harm: None</td>
</tr>
<tr>
<td><strong>SARA Title III Sect. 311/312 Categorization</strong></td>
</tr>
<tr>
<td>Immediate (acute) Delayed (chronic)</td>
</tr>
<tr>
<td><strong>SARA Title III Sect. 313</strong></td>
</tr>
<tr>
<td>This product contains the following chemicals that are listed in Section 313 at or above de minimis concentrations: Diethylene glycol monoethyl ether(111-90-0)</td>
</tr>
</tbody>
</table>

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
16. OTHER INFORMATION

Abbreviations
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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