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

Product Name: EPI-OTIC® Ear Cleanser with SPHERULITES® Microcapsules
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: May 10, 2010


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 - Respiratory System - Central Nervous System - Kidneys

Health Effects - Eyes
Contact with eyes can cause 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 may cause kidney damage and central nervous system depression.

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>0.1 - 0.2%</td>
</tr>
<tr>
<td>Propylene Glycol</td>
<td>57-55-6</td>
<td>30 - 40%</td>
</tr>
<tr>
<td>Lactic Acid</td>
<td>79-33-4</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

Propylene Glycol
None established

Lactic Acid
None established

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>Light Blue</td>
</tr>
<tr>
<td>Odor</td>
<td>Apple Blossom</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.04</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/m^3 (rat)
Lactic Acid: Oral LD50 (rat) 3730 mg/kg
Propylene Glycol: Oral LD50 (rat) 22,000 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.
Propylene Glycol: In animal studies propylene glycol has been shown to cause kidney damage.

Serious Eye damage/Eye Irritation
Salicylic acid: Severe eye irritant (rabbit)
Lactic Acid: Severe eye irritation (rabbit)
Propylene Glycol: Mild eye irritation (rabbit)

Skin Corrosion/Irritation
Salicylic acid: Slightly irritating (rabbit)
Lactic Acid: Irritating (rabbit)
Propylene Glycol: Mild skin irritation (human, 7d)

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.

Toxicity to Reproduction
Salicylic acid: Based on animal feeding studies, may cause reproductive and developmental abnormalities.

12. ECOLOGICAL INFORMATION

Mobility
No relevant studies identified.

Persistence/Degradaibility
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
Propylene Glycol: EC50 Daphnia magna > 10,000 mg/l 48 h
Lactic Acid: EC50 Daphnia magna 180 - 320 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.
15. REGULATORY INFORMATION

<table>
<thead>
<tr>
<th>US REGULATIONS (Federal, State) and INTERNATIONAL CHEMICAL REGISTRATION LAWS</th>
</tr>
</thead>
</table>

**TSCA Listing**
This product contains ingredients that are listed on or exempt from listing on the EPA Toxic Substance Control Act Chemical Substance (TSCA) Inventory.

**DSL (Canadian) Listing**
This product contains ingredients that have not been verified for listing on the Domestic Substance List (DSL).

**WHMIS Classification**
D.2.B
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.

**MA Right To Know Law**
This product contains the following chemicals on the Massachusetts Right to Know Law: None

**PA Right To Know Law**
This product contains the following chemicals on the Pennsylvania Hazardous Substance List: Propylene Glycol (57-55-6)

**NJ Right To Know Law**
This product contains the following chemicals on the New Jersey Workplace Hazardous Substance List: None

**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%
16. OTHER INFORMATION

Abbreviations
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

EPI-OTIC is a registered trademark of Virbac AH, Inc.

SPHERULITES is a registered trademark of Virbac S.A.

The information and recommendations presented in this MSDS are based on sources believed to be accurate. Virbac AH, Inc. assumes no liability for the accuracy or completeness of this information. It is the user's responsibility to determine the suitability of the material for their particular purposes. In particular, we make NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, with respect to such information, and we assume no liability resulting from its use. Users should ensure that any use or disposal of the material is in accordance with applicable Federal, State, and local laws and regulations.