



MATERIAL SAFETY DATA SHEET
EPI-OTIC® Ear Cleanser
with SPHERULITES® Microcapsules
Product Codes: 003004, 003008, and 003016

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

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 - 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

Component Name	CAS Number	Concentration
Salicylic Acid	69-72-7	0.1 - 0.2%
Propylene Glycol	57-55-6	30 - 40%
Lactic Acid	79-33-4	1 - 5 %



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

Physical State	Liquid
Color	Light Blue
Odor	Apple Blossom
pH	No data available
Specific Gravity	1.04
Boiling Range/Point (°C/F)	No data available
Melting Point (°C/F)	No data available
Flash Point (PMCC) (°C/F)	Not flammable
Explosion Limits (%)	No data available
Vapor Pressure	No data available
Density	No data available
Solubility in Water	Soluble
Vapor Density (Air = 1)	No data available

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)

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/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
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 Transportation (IATA)	Consult current IATA Regulations prior to shipping by air.



15. REGULATORY INFORMATION

US REGULATIONS (Federal, State) and INTERNATIONAL CHEMICAL REGISTRATION LAWS

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

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