MATERIAL SAFETY DATA SHEET
ALLERMYL® Shampoo
ANTI-IRRITANT ANTI-ADHESIVE TECHNOLOGY®
Product Code: 002408 and 002416

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

Product Name
ALLERMYL® Shampoo
ANTI-IRRITANT ANTI-ADHESIVE TECHNOLOGY®
Product Description
Shampoo for dogs and cats
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 4, 2011
Supersedes MSDS Dated:
April 1, 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 and skin.
Harmful if swallowed.
Avoid breathing vapors.
Keep out of reach of children.
Read entire label before each use.

Routes of Entry
Eye contact - Skin contact - Ingestion - Inhalation

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

Target Organs
Eyes - Skin - Respiratory System

Health Effects - Eyes
Contact with eyes may cause severe irritation.

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

Health Effects - Ingestion
Harmful if swallowed. Ingestion of this material may cause gastrointestinal effects such as nausea, vomiting and diarrhea.

Health Effects - Inhalation
No adverse effects are expected during normal conditions of use. Prolonged, repeated inhalation may cause irritation or nose, throat and respiratory tract.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component Name</th>
<th>CAS Number</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chlorhexidine Gluconate</td>
<td>18472-51-0</td>
<td>0.1%</td>
</tr>
<tr>
<td>Surfactants</td>
<td>N/A</td>
<td>10 - 20%</td>
</tr>
</tbody>
</table>

Revision Date: March 4, 2011
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<table>
<thead>
<tr>
<th>Component Name</th>
<th>CAS Number</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Chloride</td>
<td>7647-14-5</td>
<td>1 - 5%</td>
</tr>
<tr>
<td>Collagen</td>
<td>N/A</td>
<td>1 - 5%</td>
</tr>
<tr>
<td>Ethoxylated Ester</td>
<td>N/A</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. Store at room temperature between 59°F and 86°F. Avoid prolonged exposure to excessive heat.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Chlorhexidene Gluconate
None established

Surfactant(s)
None established

Sodium Chloride
None established

Collagen
None established

Ethoxylated Ester
None established

Engineering Control Measures
No specific measures necessary. Good general room ventilation is expected to be adequate to control airborne levels.

Respiratory Protection
Not required under normal conditions of use. Professional groomers and those with repeated and extended exposures should consider the use of respiratory protection if there is a risk of exposure to high vapor concentrations. The specific respirator selected must be based on the airborne concentration found in the workplace and must not exceed the working limits of the respirator.

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>Yellow pearlescent</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>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 acids – oxidizing agents

Hazardous Polymerization
Will not occur.

Hazardous Decomposition Products
Oxides of carbon – aldehydes – sulfur oxides

11. TOXICOLOGICAL INFORMATION

See product packaging for additional information.

Acute Toxicity
Chlorhexidine Gluconate: Oral LD50 (rat) (male) 2,292 mg/kg (female) 3,055 mg/kg (analogous compound)
Chlorhexidine Gluconate: Dermal LD50 (rabbit) >2000 mg/kg (analogous compound)
Chlorhexidine Gluconate: Inhalation LC50 (rat) 0.30mg/l (males), 0.43 mg/l (females) (analogous compound)
Ethoxylated Ester: Oral LD50 (rat) > 5000 mg/kg
Surfactant: Oral LD50 (rabbit) >10,000 mg/kg (analogous compound)
Surfactant: Dermal LD50 (rabbit) >2000 mg/kg (analogous compound)

Specific Target Organ Systemic Toxicity (single and repeat)
Chlorhexidine Gluconate: In a dermal toxicity study with rabbits that were topically treated, systemic liver effects were noted at the 500mg/kg/day level. (analogous compound)

Serious Eye damage/Eye Irritation
Chlorhexidine Gluconate: Irritating to the eye. (analogous compound)
Surfactant: Severe eye irritant. (analogous compound)

Skin Corrosion/Irritation
Chlorhexidine Gluconate: Subchronic toxicity, rat, dermal - dermal irritant (analogous compound)
Surfactant: Severe skin irritant. (analogous compound)

Respiratory or Skin Sensitization
Ethoxylated Ester: Did not cause allergic skin reactions in human testing.

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

Germ Cell Mutagenicity
Chlorhexidine Gluconate: Gene mutation – no adverse effect (analogous compound)
Chlorhexidine Gluconate: Chromosome effects – no adverse effects (analogous compound)
Chlorhexidine Gluconate: DNA Damage – no adverse effects (analogous compound)
Ethoxylated Ester: Negative in vitro mutagenicity studies.

Toxicity to Reproduction
Chlorhexidine Gluconate: Teratology- rat – no adverse effect (analogous compound)
12. ECOLOGICAL INFORMATION

Mobility
No relevant studies identified.

Persistence/Degradability
Glycol: Inherently biodegradable.

Bio-accumulation
No relevant studies identified.

Ecotoxicity
Chlorhexidine Gluconate: LC50 Oncorhynchus Mykiss (Rainbow trout, Donaldson trout) 1.9 ppm/96 hr
LC50 Lepomis macrochirus (Bluegill sunfish) 0.6 ppm/96 hr (analogous compound)

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

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

TSCA Listing
This product contains ingredients that are not listed on the EPA Toxic Substance Control Act Chemical Substance (TSCA) Inventory.

DSL (Canadian) Listing
This product contains ingredients that are not listed 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: BHT (128-37-0) ≤0.5% - Sodium Sulfate(7757-82-6) <0.5%

PA Right To Know Law
This product contains the following chemicals on the Pennsylvania Hazardous Substance List: Sodium Sulfate(7757-82-6) <0.5% - Diethanolamine (111-42-2) <0.1%

NJ Right To Know Law
This product contains the following chemicals on the New Jersey Workplace Hazardous Substance List: BHT (128-37-0) ≤0.5%

California Proposition 65
This product contains trace amounts of the following materials which the State of California has found to cause cancer, birth defects or other reproductive harm: Arsenic(7440-38-2) – Lead(7439-92-1) – Formaldehyde(50-00-0) – Ethylene oxide(75-21-8) - 1,4 Dioxane (123-91-1)

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

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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