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

Product Name
ALLERGROOM® Shampoo with SPHERULITES® Microcapsules
ANTI-IRRITANT ANTI-ADHESIVE TECHNOLOGY®

Product Description
Shampoo for dogs, cats, and horses

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:
July 31, 2012

Supersedes MSDS Dated:
March 7, 2011


2. HAZARDS IDENTIFICATION

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

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

Carcinogenic Status
Considered carcinogenic by NTP, IARC, and OSHA. (See Section 11)

Target Organs
Eyes - Skin - Respiratory System (See Section 11)

Health Effects - Eyes
Contact with eyes can cause irritation.

Health Effects - Skin
Contact with skin can cause irritation.

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

Health Effects - Inhalation
No adverse effects are expected during normal conditions of use. Prolonged, repeated inhalation may cause irritation to the 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>Copolymer</td>
<td>NA</td>
<td>1 - 5%</td>
</tr>
<tr>
<td>Sodium Olefin Sulfonate</td>
<td>68439-57-6</td>
<td>10 - 20%</td>
</tr>
</tbody>
</table>
3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component Name</th>
<th>CAS Number</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethylene glycol monoethyl ether</td>
<td>111-90-0</td>
<td>0.1 - &lt;1%</td>
</tr>
<tr>
<td>Lactic Acid</td>
<td>79-33-4</td>
<td>0.1 - &lt;1%</td>
</tr>
<tr>
<td>Cocamide DEA</td>
<td>68603-42-9</td>
<td>&lt;5%</td>
</tr>
<tr>
<td>Lauramide DEA</td>
<td>120-40-1</td>
<td>1 - 10%</td>
</tr>
<tr>
<td>Capramide DEA</td>
<td>136-26-5</td>
<td>&lt;5%</td>
</tr>
<tr>
<td>Sodium Chloride</td>
<td>7647-14-5</td>
<td>1 - 5%</td>
</tr>
<tr>
<td>Glycerin</td>
<td>56-81-5</td>
<td>1 - 5%</td>
</tr>
<tr>
<td>Diethanolamine</td>
<td>111-42-2</td>
<td>0.1 - &lt;1%</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 skin, eyes and clothing. Wash and remove contaminated clothing before reuse. Avoid breathing vapors. 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.

Sodium Olefin Sulfonate
None established

Diethylene glycol monoethyl ether
Supplier recommended limit: 25 ppm TWA

Lactic Acid
None established

Glycerin (Mist)
ACGIH: TLV 10 mg/m³ 8h TWA.
OSHA: PEL 5 mg/m³ 8h TWA respirable fraction
15mg/m³ 8h TWA total dust

Sodium Chloride
None established

Cocamide DEA
None established

Lauramide DEA
None established

Copolymer
None established

Capramide DEA
None established

Diethanolamine (Inhalable fraction and vapor)
ACGIH: TLV 1 mg/m³ 8h TWA.

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 or aerosols. 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

Physical State: Liquid
Color: Yellow
9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odor</td>
<td>Citrus</td>
</tr>
<tr>
<td>pH</td>
<td>7.0 – 7.6</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 oxidizers – strong acids

Hazardous Polymerization
Will not occur.

Hazardous Decomposition Products
Oxides of carbon - oxides of sulfur - acrolein - nitrogen - ammonia

11. TOXICOLOGICAL INFORMATION

See product packaging for additional information.

Acute Toxicity
Lactic acid: LD50 Rat oral 3730 mg/kg, LC50 Rat inhalation 7.94 mg/L/4 hr
Sodium Olefin Sulfonate: Oral LD50 (rat) 1300-2400 mg/kg, Dermal LD50 (rabbit) 1130-2150 mg/kg
Diethylene glycol monoethyl ether: Oral LD50 (rat) 1920 - 9050 mg/kg,
                           Dermal LD50 (rabbit) >8400 mg/kg
Glycerin: Oral LD50 (Rat) 12,600 mg/kg

Specific Target Organ Systemic Toxicity (single and repeat)
No relevant studies identified.

Serious Eye damage/Eye Irritation
Sodium Olefin Sulfonate: Causes moderate eye irritation at 10% active and no irritation at 1% active
(Primary Eye Irritation- rabbit 24 hr)
Glycerin: Animal studies have shown glycerin to be not irritating or slightly irritating to eyes.

Skin Corrosion/Irritation
Sodium Olefin Sulfonate: Causes moderate skin irritation at 10% (Primary Skin Irritation - rabbit 24hr),
Slight Skin irritation at 1% active (Primary Irritation Patch Test - human)
Glycerin: Human skin tests have shown glycerin to be slightly irritating.

Respiratory or Skin Sensitization
Sodium Olefin Sulfonate: Not a dermal sensitizer (Dermal Sensitization)
11. TOXICOLOGICAL INFORMATION

Carcinogenicity
Sodium Olefin Sulfonate: No increased incidences of tumors in rats fed up to 500ppm (rat)
Diethanolamine: (IARC Group 2B) Possibly carcinogenic to humans.
Cocamide DEA: (IARC Group 2B) Possibly carcinogenic to humans.

Germ Cell Mutagenicity
Lactic acid: Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
Sodium Olefin Sulfonate: Not mutagenic (Ames test)
Diethylene glycol monoethyl ether: In vitro genetic toxicity studies were predominantly negative. Animal genetic toxicity studies were negative.

Toxicity to Reproduction
Lactic acid: A reproductive toxicity study in mice (oral) showed maternal effects and developmental abnormalities to the fetal musculoskeletal system.
Sodium Olefin Sulfonate: No reproductive or developmental effects were observed at doses that show no or slight maternal toxicity (up to 2 mg/kg)
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
Sodium Olefin Sulfonate: Readily biodegradable

Bio-accumulation
No relevant studies identified.

Ecotoxicity
Lactic Acid: EC50 Daphnia magna 180 - 320 mg/l 48 h
Sodium Olefin Sulfonate: LC50 Fish 1-10 mg/l

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 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.A
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.
15. REGULATORY INFORMATION

**MA Right To Know Law**
This product contains the following chemicals on the Massachusetts Right to Know Law: Diethanolamine (111-42-2)

**PA Right To Know Law**
This product contains the following chemicals on the Pennsylvania Hazardous Substance List: Diethanolamine (111-42-2) - Diethylene Glycol Monoethyl Ether (111-90-0) - Glycerin (56-81-5)

**NJ Right To Know Law**
This product contains the following chemicals on the New Jersey Workplace Hazardous Substance List: Diethanolamine (111-42-2) - Diethylene Glycol Monoethyl Ether (111-90-0)

**California Proposition 65**
This product contains the following chemicals which the State of California has found to cause cancer, birth defects or other reproductive harm: Diethanolamine (111-42-2) – Cocamide DEA (68603-42-9) Acrylamide (79-06-1) trace – Formaldehyde (50-00-0) trace – Ethylene Oxide (75-21-8) trace – 1,4 dioxane (123-91-1) trace

**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
* Chronic Health Hazard

**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
16. OTHER INFORMATION

For further Information call: (800) 338-3659

Prepared By: EnviroNet LLC

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