1. IDENTIFICATION

Product Name: PYOBEN® Medicated Shampoo with SPHERULITES® Microcapsules

Recommended use of the chemical and restrictions on use

Identified uses: Shampoo for dogs, cats, and horses

Restrictions on Use: For topical use on animals only. Federal law restricts this drug to use by or on the order of a licensed veterinarian.

Company Identification: Virbac AH, Inc.
P.O. Box 162059
Fort Worth, Texas 76161

Customer Information Number: (800) 338-3659

Emergency Telephone Number:

Chemtrec Number: (800) 424-9300

Other Emergency Number: Poison Control Center: 1-800-222-1222 (human)
HOT LINE NUMBER: 1-800-345-4735 (human and pet)

Issue Date: February 9, 2016

Supersedes Date: March 4, 2011

Safety Data Sheet prepared in accordance with OSHA’s Hazard Communication Standard (29 CFR 1910.1200) and the Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

2. HAZARD IDENTIFICATION

Hazard Classification
Skin Sensitization – Category 1

Label Elements
Hazard Symbols

Signal Word: Warning

Hazard Statements
May cause an allergic skin reaction.

Precautionary Statements
Prevention
Avoid breathing vapors.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves.

Response
If on skin: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
2. HAZARD IDENTIFICATION

**Storage**
None

**Disposal**
Dispose of contents/container in accordance with local and national regulations.

**Other Hazards**
None

**Specific Concentration Limits**
The values listed below represent the percentages of ingredients of unknown toxicity.
- Acute oral toxicity: < 10%
- Acute dermal toxicity: < 10%
- Acute inhalation toxicity: < 10%
- Acute aquatic toxicity: 10 - 20%

3. COMPOSITION/INFORMATION ON INGREDIENTS

**Synonyms:**
This product is a mixture.

<table>
<thead>
<tr>
<th>Component Name</th>
<th>CAS Number</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzoyl Peroxide</td>
<td>94-36-0</td>
<td>3%</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

**Description of necessary first-aid measures**

**Eyes**
Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.

**Skin**
Wash skin 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.

**Most important symptoms/effects, acute and delayed**
Aside from the information found under Description of necessary first aid measures (above) and Indication of immediate medical attention and special treatment needed, no additional symptoms and effects are anticipated.

**Indication of immediate medical attention and special treatment needed**

**Notes 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**

   **Personal precautions, protective equipment and emergency procedures**  
   Wear appropriate protective clothing.

   **Environmental Precautions**  
   Prevent the material from entering drains or watercourses.

   **Methods and materials for containment and cleaning up**  
   Wipe up and transfer into suitable containers for recovery or disposal. Prevent the material from entering drains or watercourses.

7. **HANDLING AND STORAGE**

   **Precautions for safe handling**  
   Wear appropriate protective clothing. Avoid contact with skin, eyes and clothing. Wash and remove contaminated clothing before reuse. Wash hands thoroughly after handling and before eating, drinking or smoking.

   **Conditions for safe storage**  
   Store in original container at room temperature 59 - 86°F. Store away from children and pets.

8. **EXPOSURE CONTROLS/PERSONAL PROTECTION**

   **Control parameters**  
   Exposure limits are listed below, if they exist.

   **Benzoyl Peroxide**  
   ACGIH: TLV 5 mg/m³ 8h TWA  
   OSHA: PEL 5 mg/m³ 8h TWA

   **Appropriate engineering controls**  
   No specific measures necessary. Good general room ventilation is expected to be adequate to control airborne levels.

   **Individual protection measures**  
   **Respiratory Protection**  
   Not required under normal conditions of use.

   **Skin Protection**  
   Gloves

   **Eye/Face Protection**  
   Safety glasses or goggles.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Body Protection
Normal work wear

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Physical State: Liquid</td>
</tr>
<tr>
<td></td>
<td>Color: Off-white to yellow</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Density</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>Vapor Pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation Rate (BuAc=1)</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>
<tr>
<td>VOC</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Upper explosive limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Lower explosive limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Reactivity
Data is not available

Chemical Stability
Stable under normal conditions.

 Possibility of hazardous reactions
Hazardous polymerization will not occur.

Conditions to Avoid
Heat - high temperatures

Incompatible Materials
None known.

Hazardous Decomposition Products
Oxides of carbon - organic compounds - dense white smoke of benzoic acid - phenyl benzoate - terphenyls - biphenyls - benzene
11. TOXICOLOGICAL INFORMATION

Acute Toxicity
Benzoyl Peroxide
Oral LD50 rat >5000 mg/kg

Specific Target Organ Toxicity (STOT) – single exposure
Available data indicates this product is not expected to cause target organ effects after a single exposure.

Specific Target Organ Toxicity (STOT) – repeat exposure
Available data indicates this product is not expected to cause target organ effects after repeated exposure.

Serious Eye damage/Irritation
Benzoyl Peroxide: Causes eye irritation.

Skin Corrosion/Irritation
Benzoyl Peroxide: Not a skin irritant in rabbit studies.

Respiratory or Skin Sensitization
Benzoyl Peroxide: Known skin sensitizer in humans. Skin sensitizer based on animal testing.

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

Germ Cell Mutagenicity
Benzoyl Peroxide: Based on several laboratory studies the FDA has concluded that Benzoyl Peroxide is not a genotoxic agent.

Reproductive Toxicity
Available data indicates this product is not expected to cause reproductive toxicity or birth defects.

Aspiration Hazard
Not an aspiration hazard.

12. ECOLOGICAL INFORMATION

Ecotoxicity
No relevant studies identified.

Mobility in soil
No relevant studies identified.

Persistence/Degradability
No relevant studies identified.

Bioaccumulative Potential
No relevant studies identified.

Other adverse effects
No relevant studies identified.
13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

Contact supplier for transport information.

15. REGULATORY INFORMATION

United States TSCA Inventory
This product is a drug and therefore is not regulated under the US EPA Toxic Substance Control Act.

Canada DSL Inventory
This product is a drug and therefore is not regulated under the Canadian Environmental Protection Act.

California Proposition 65
This product contains chemicals which the State of California has found to cause cancer, birth defects or other reproductive harm.

SARA Title III Sect. 311/312 Categorization
Immediate (Acute) Health Hazard

SARA Title III Sect. 313
This product contains a chemical that is listed in Section 313 at or above de minimis concentrations. The following listed chemicals are present: Benzoyl Peroxide

16. OTHER INFORMATION

Legend
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

Revision Date: February 9, 2016
Replaces: March 4, 2011
Changes made: Updated to GHS classification.
16. OTHER INFORMATION

Information Source and References
This SDS is prepared by Hazard Communication Specialists based on information provided by internal company references.

Prepared By: EnviroNet LLC.

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