1. IDENTIFICATION

Product Name: C. E. T.® Enzymatic Toothpaste Tartar Control – Beef Flavor

Recommended use of the chemical and restrictions on use:
Identified uses: Tartar control toothpaste for cats and dogs
Restrictions on Use: For veterinary use only

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

Issue Date: May 5, 2015
Supersedes Date: March 30, 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:
This product is classified as not hazardous in accordance with the Globally Harmonized System of Classification and Labelling (GHS).

Label Elements
Hazard Symbols: None

Signal Word: None

Hazard Statements: None

Precautionary Statements
Prevention: None
Response: None
Storage: None
Disposal: None
Other Hazards: None
2. HAZARD IDENTIFICATION

Specific Concentration Limits
The values listed below represent the percentages of ingredients of unknown toxicity.

- Acute oral toxicity <1%
- Acute dermal toxicity 40 - 50%
- Acute inhalation toxicity 40 - 50%
- Acute aquatic toxicity 45 - 55%

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>Sorbitol</td>
<td>50-70-4</td>
<td>35 - 45%</td>
</tr>
<tr>
<td>Amorphous silicon dioxide</td>
<td>7631-86-9</td>
<td>20 - 30%</td>
</tr>
<tr>
<td>Glycerine</td>
<td>56-81-5</td>
<td>1 - 10%</td>
</tr>
</tbody>
</table>

4. FIRST-AID MEASURES

Description of necessary first-aid measures

**Eyes**
Immediately flood the eye with plenty of water, 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.

**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.
5. **FIRE - FIGHTING MEASURES**

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.

**Conditions for safe storage**
Store in original container in a cool, dry place. Store away from children and pets.

8. **EXPOSURE CONTROLS/PERSONAL PROTECTION**

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

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

**Silica: Amorphous, including diatomaceous earth**
OSHA: PEL 20 mppcf 8h TWA
0.8 mg/m³ 8h TWA

The exposure limit is calculated from the equation, 80/(%SiO2), using a value of 100% SiO2. Lower values of % SiO2 will give higher exposure limits.

**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
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye/Face Protection
Not required under normal conditions of use.

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: Solid (paste)</td>
</tr>
<tr>
<td></td>
<td>Color: Translucent Brown</td>
</tr>
<tr>
<td>Odor</td>
<td>Meat</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>No data available</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 - acrolein
11. TOXICOLOGICAL INFORMATION

Acute Toxicity
Sorbitol
Oral LD50 (rat) 15,900 mg/kg
Glycerin
Oral LD50 (rat) >5000 mg/kg
Dermal LD50 (guinea pig) >50,000 mg/kg
Inhalation LC50 (rat) >2.75 mg/L 4hr
Amorphous Silicon Dioxide
Oral LD50 (rat) > 10,000 mg/kg
Dermal LD50 (rabbit) >5000 mg/kg

Specific Target Organ Toxicity (STOT) – single exposure
Sorbitol: Reports of adverse reactions to sorbitol are largely due to its action as an osmotic laxative when ingested orally, which may be exploited therapeutically. Ingestion of large quantities of sorbitol (> 20g/day in adults) should therefore be avoided.

Available data indicates this product is not expected to cause target organ effects after repeated exposure.

Serious Eye damage/Irritation
Available data indicates this product is not expected to cause eye irritation.

Skin Corrosion/Irritation
Available data indicates this product is not expected to cause skin irritation.

Respiratory or Skin Sensitization
Available data indicates this product is not expected to cause skin sensitization.

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

Germ Cell Mutagenicity
Available data indicates this product is not expected to be mutagenic.

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
Available data indicates this product is not expected to be ecotoxic.

Mobility in soil
No relevant studies identified.
12. ECOLOGICAL INFORMATION

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 contains an ingredient that has not been verified for listing on the Toxic Substance Control Act Chemical Inventory.

Canada DSL Inventory
This product contains an ingredient that has not been verified for listing on the Domestic Substance List (DSL).

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
None

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: None
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: May 5, 2015
Replaces: March 30, 2011
Changes made: Update to GHS.

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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