SECTION 1: IDENTIFICATION

Product Name: Boule Vet-CAL
Part Number: 502-020

Application of the substance / mixture:
For In Vitro Diagnostic Use

Manufacturer/Supplier
Address: Clinical Diagnostic Solutions, Inc.
1800 NW 65th Avenue
Plantation FL, 33313, USA
Phone No: +1 954 791 1773
Fax No: +1 954 791 7118

SECTION 2: HAZARD(S) IDENTIFICATION

Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910

This mixture does not have any hazardous classification.
The mixture has been reviewed in accordance with 29 CFR 1910. The product does not contain any substances at concentrations considered to be hazardous to human health or the environment.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Component</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Proprietary Mixture</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

SECTION 4: FIRST AID MEASURES

Description of first aid measures

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

In case of skin contact
Wash off with soap and plenty of water. Consult a physician.

In case of eye contact
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Most important symptoms and effects, both acute and delayed
None

Indication of any immediate medical attention and special treatment needed
No data available

SECTION 5: FIREFIGHTING MEASURES

· Suitable extinguishing agents
  Dry chemical, carbon dioxide (CO2), water spray or regular foam.
  - Caution: CO2 will displace air in confined spaces and may cause an oxygen-deficient atmosphere.

· Special hazards arising from the substance or mixture
  There are no unique chemical or reactivity hazards that would impact firefighting decisions due to the chemicals in this product.

SECTION 6: ACCIDENTAL RELEASE MEASURES

· Personal precautions, protective equipment and emergency procedures
  Minimize exposure by using appropriate personal protective equipment as listed in Section 8. Stop leak if possible. Keep unprotected people away.

· Environmental precautions
  Prevent liquid from entering sewage system, storm drains, surface waters, and soil.

· Methods and material for containment and cleaning up
  Block small volumes of spilled or spattered product with paper towels or similar materials.
  - Contain larger spills by placing absorbants around the outside edges of the spill. Absorb with any material suitable for water-based liquids - e.g. paper towels, universal sorbents, sand, diatomite, sawdust, etc.

Clean the affected area. Suitable cleaners are:
  - Detergent or similar cleansing agent.

Dispose of spilled and contaminated material in Biohazard Waste. See Section 13 for information that may impact disposal of materials contaminated with this product.

SECTION 7: HANDLING AND STORAGE

· Precautions for safe handling: Use personal protective equipment required by the Laboratory.

· Measure to prevent fire: No special measures required.

· Storage requirements: Store only in the original container. Store in a cool (2 - 10 °C), away from heat and direct sunlight.

· Further information about storage conditions: Protect from heat and direct sunlight.
SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with Occupational Exposure Limits

<table>
<thead>
<tr>
<th>Substance name</th>
<th>Concentration</th>
<th>CAS No</th>
<th>Occupational exposure limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>None listed</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Exposure controls**

**Personal protective equipment**

Always maintain good housekeeping and follow general precautionary measures. Do not eat, drink or store food and beverages in areas where chemicals or specimens are used. Wash hands before breaks, after handling reagents and specimens, and at the end of the work shift.

- **Breathing equipment:**
  Normal use and storage of product - respiratory protection is not necessary if room is well ventilated.

  **Small-volume spills** (e.g. small enough to clean up with a paper towel or small sorbent pad) - respiratory protection is not necessary.

- **Hand protection:**
  Wear water-resistant gloves if hand contact with the material is anticipated. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

- **Material of gloves and breakthrough time of the glove material:**
  The glove material must be suitable for use in a clinical chemistry laboratory and have a measured breakthrough time of at least 30 minutes, such as those with a Class 2 protection index per EN374 (or equivalent standard applicable in your region). NOTE: This recommendation applies only to the product stated in this Safety Data Sheet. When dissolving in or mixing with other substances, contact the supplier of approved gloves.

- **Eye protection:**
  Wear safety glasses or other protective eyewear.

- **Body protection:**
  Normal use: protect personal clothing from spatters and small spills. Wear a laboratory coat (or other protective clothing required by your institution). Larger spills (e.g. that can saturate cloth): wear appropriate water-repellant covering over clothing.
SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Thick Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Red</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>pH-value at 20 °C (68 °F)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Melting point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Non flammable</td>
</tr>
<tr>
<td>Auto igniting</td>
<td>Product is not self-igniting.</td>
</tr>
<tr>
<td>Danger of explosion</td>
<td>Product does not present an explosion hazard.</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Density at 20 °C (68 °F)</td>
<td>Not determined</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>Completely soluble</td>
</tr>
</tbody>
</table>

SECTION 10: STABILITY AND REACTIVITY

- **Thermal decomposition / conditions to be avoided**
  No decomposition if used and stored according to specifications.

- **Possibility of hazardous reactions**: Reacts with strong acids and bases.

- **Conditions to avoid**: Sunlight, warmth, heat and fire.

- **Incompatible materials**: Strong acids and bases.

- **Hazardous decomposition products**: No dangerous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

**Acute toxicity**
No data available

**Dermal**
No data available

**Skin corrosion/irritation**
No data available

**Serious eye damage/eye irritation**
No data available

**Respiratory or skin sensitization**
No data available

**Germ cell mutagenicity**
No data available
SECTION 12: ECOLOGICAL INFORMATION

- **Toxicity:** No further relevant information available.
- **Marine pollutant:** No

- **Additional Ecological Information**
  - **General notes:** Do not allow undiluted product or large quantities of it to reach ground water, water course, or sewage system.

- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable
  - **vPvB:** Not applicable

SECTION 13: DISPOSAL CONSIDERATIONS

**Handling of Waste**

General information: Before handling waste, see section 8 Exposure controls/Personal protection. This product should be disposed in Biohazard waste or infectious medical waste. Disposal by incineration is recommended. Biohazard waste must be transported by an approved transporter. For regular transport of Biohazard waste, the user is responsible for providing a transport document. Dispose in accordance with federal, state and local regulations.

Handling of packaging: Do not clean or recycle. Refer to applicable local regulations and institutional policies.

SECTION 14: TRANSPORT INFORMATION

**DOT (US):**
Not dangerous goods

**IMDG:**
Not dangerous goods

**IATA:**
Not dangerous goods
SECTION 15: REGULATORY INFORMATION

- **Section 302/304 (40CFR355.30 / 40CFR355.40):**
The product does not contain listed substances.

- **Section 313 (40CFR372.65):**
The product does not contain listed substances.

- **California Proposition 65 (USA):**
  - **Chemicals known to cause cancer:** None of the ingredients is listed.
  - **Chemicals known to cause female reproductive toxicity:** None of the ingredients is listed.
  - **Chemicals known to cause male reproductive toxicity:** None of the ingredients is listed.
  - **Chemicals known to cause developmental reproductive toxicity:**
    - WARNING! This product contains as chemical known to the State of California to cause birth defects or other reproductive harm.
    - Neomycin Tridulfate Salt Hydrate CAS 1405-10-3
    - WARNING! This product contains as chemical known to the State of California to cause developmental harm.
      - Cycloheximide CAS 66-81-9

**Pennsylvania Right to Know Components**

- Procaine Hydrochloride CAS 51-05-8
- Edetate Disodium Dihydrate CAS 6381-92-6
- Sodium [2S-(2α,5α,6β)]-3,3-dimethyl-7-oxo-6-phenylacetamido-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylate CAS 69-57-8
- Citric Acid CAS 77-92-9
- 2-Iodoacetamide CAS 144-48-9
- Sodium hydroxide CAS 1310-73-2
- Sodium dihydrogenorthophosphate monohydrate CAS 10049-21-5
- Polyethylglycol CAS 9003-11-6
- Sodium Chloride CAS 7647-14-5
- N-Carbamoylmethyliminodi CAS 26239-55-4
- Mixture of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS 55965-84-9
- Dihydrostreptomycin Sulfate CAS 5490-27-7
- Neomycin Tridulfate Salt Hydrate CAS 1405-10-3
- Cycloheximide CAS 66-81-9

**New Jersey Right to Know Components**

- Procaine Hydrochloride CAS 51-05-8
- Edetate Disodium Dihydrate CAS 6381-92-6
- Sodium [2S-(2α,5α,6β)]-3,3-dimethyl-7-oxo-6-phenylacetamido-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylate CAS 69-57-8
- Citric Acid CAS 77-92-9
- 2-Iodoacetamide CAS 144-48-9
- Sodium hydroxide CAS 1310-73-2
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- Dihydrostreptomycin Sulfate CAS 5490-27-7
- Neomycin Tridulfate Salt Hydrate CAS 1405-10-3
- Cycloheximide CAS 66-81-9
Massachusetts Right to Know Components
Sodium hydroxide  CAS 1310-73-2
Cycloheximide  CAS 66-81-9

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms

CAS No:  Chemical Abstracts Service number.
CMR properties:  Carcinogenic, Mutagenic or toxic for Reproduction
STOT SE  Specific target organ toxicity - single exposure
LC₅₀:  Lethal Concentration. In ecotoxicology, the LC₅₀ is the concentration which kills 50 % of a population of one species, within a specified period of time.
LD₅₀:  Lethal Dose. The LD₅₀ is the dose of a substance which kills 50 % of a population of one species and is expressed as weight (mg, g) or as weight per weight of test animal (mg/kg).
pH:  pH is a measure of the acidity or basicity of an aqueous solution.
pKa:  The symbol for the acid dissociation constant at logarithmic scale.
ppm:  parts per million.
vPvB substance:  Very persistent and very bioaccumulative substance.
WEL:  Workplace Exposure Limits.

Contact
General information about this product:
Clinical Diagnostic Solutions, Inc.
1800 NW 65th Ave.
Plantation, FL 33313