SECTION 1: IDENTIFICATION

Product Name: Heska® Veterinary Hematology System Cleaning Kit
Part Number: 501-511

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

Heska® Hypochlorite Cleaner (Component 1)

Pictogram

Signal Word: Danger

Hazard statement(s)
H314 Causes severe skin burns and eye damage
H318 Causes serious eye damage
H410 Very toxic to aquatic life with long lasting effects

Precautionary statement(s)
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P264 Wash...thoroughly after handling
P280 Wear eye protection/ face protection.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.
Rinse skin with water/shower.
P363 Wash contaminated clothing before reuse.
P304+P340  IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P310    Immediately call a POISON CENTER or doctor/physician.
P305+P351+P338  IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405    Store locked up.
P501    Dispose of contents/ container to an approved waste disposal plant.

Heska® Enzymatic Cleaner (Component 2)

Pictogram

Signal Word: Danger

Hazard statement(s)
H334  May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H361  Suspected of damaging fertility or the unborn child.

Precautionary statement(s)
P261    Avoid breathing dust/fume/gas/mist/vapours/spray.
P284    Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P304+P340  IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P342+P311  If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
P501    Dispose of contents/ container to an approved waste disposal plant.

Heska® Detergent Cleaner (Component 3)

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.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

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 accordance with Federal, State, and Local regulations. 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 (5 - 35 °C), dry place 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>Heska® Hypochlorite Cleaner</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium Hypochlorite</td>
<td>&lt;4.0%</td>
<td>7681-52-9</td>
<td>STEL 2.0 mg/m³. USA. Workplace Environmental Exposure Levels (WEEL)</td>
</tr>
<tr>
<td>Heska® Enzymatic Cleaner</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boric Acid</td>
<td>&lt;0.5%</td>
<td>10043-35-3</td>
<td>This substance does not have occupational exposure limit values.</td>
</tr>
<tr>
<td>Subtilisin</td>
<td>&lt;2%</td>
<td>9014-01-1</td>
<td>ACGIH TLV Ceiling: 0.00006 mg/m³ Ceiling as crystalline active enzyme. DNEL (Derived No Effect Level) Dermal Acute Local = 0.2% in mixture (w/w). DMEL (Derived Minimal Effect Level ) Inhalation Long Term Local and Systemic = 15 ng/m³</td>
</tr>
</tbody>
</table>

**Exposure controls**

**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 should not be necessary if room is well ventilated.

  Hazardous Materials Emergencies or Firefighting - use NIOSH/NFPA-approved respiratory protection.

- **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. If splash potential exists, wear full face shield or goggles.

- **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.

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**SECTION 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>Colorless liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>pH-value at 20 °C (68 °F)</td>
<td>Heska® Hypochlorite Cleaner – 12.4</td>
</tr>
<tr>
<td></td>
<td>Heska® Enzymatic Cleaner – 8.0</td>
</tr>
<tr>
<td></td>
<td>Heska® Detergent Cleaner – 7.0</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>1 g/mL</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

Recommendation for disposal of unused product:
Dispose in accordance with federal, state and local regulations.

Recommendation for disposal of packaging:
Non-contaminated packaging may be used for recycling. Refer to applicable local regulations and institutional policies.
For disposal of contaminated packaging, refer to applicable local regulations and institutional policies.
- Recommended cleansing agent: Water with cleansing agents, if necessary.

SECTION 14: TRANSPORT INFORMATION

DOT (US):
Not dangerous goods

IMDG:
Not dangerous goods

IATA:
Not dangerous goods

SECTION 15: REGULATORY INFORMATION

The product does not contain listed substances.

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

SARA 311/312 Hazards
No SARA Hazards

- California Proposition 65 (USA):
  - Chemicals known to cause cancer:
    WARNING This product contains a chemical known in the State of California to cause cancer
    1,4-Dioxane, Acetaldehyde and Ethylene Oxide

  - 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:
    None of the ingredients is listed.
Pennsylvania Right to Know Components
Sodium hydroxideCAS 1310-73-2
p-t-tertiary-Octylphenoxy polyethyl alcoholCAS 9002-93-1
Dodecyltrimethylammonium chlorideCAS 112-00-5
Sodium HypochloriteCAS 7681-52-9
Propane-1,2-diolCAS 57-55-6
2,2,2-NitritolriethanolCAS 102-71-6
Bromocresol purpleCAS 115-40-2
Calcium chloride hexahydrateCAS 7774-34-7
SubtilisinCAS 9014-01-01
Boric AcidCAS 10043-35-3
Mixture of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1)CAS 55965-84-9
Sodium dodecyl sulphateCAS 151-21-3

New Jersey Right to Know Components
Sodium hydroxideCAS 1310-73-2
p-t-tertiary-Octylphenoxy polyethyl alcoholCAS 9002-93-1
Dodecyltrimethylammonium chlorideCAS 112-00-5
Sodium HypochloriteCAS 7681-52-9
Propane-1,2-diolCAS 57-55-6
2,2,2-NitritolriethanolCAS 102-71-6
Bromocresol purpleCAS 115-40-2
Calcium chloride hexahydrateCAS 7774-34-7
SubtilisinCAS 9014-01-01
Boric AcidCAS 10043-35-3
Mixture of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1)CAS 55965-84-9
Sodium dodecyl sulphateCAS 151-21-3

Massachusetts Right to Know Components
Sodium hydroxideCAS 1310-73-2
Sodium HypochloriteCAS 7681-52-9
2,2,2-NitritolriethanolCAS 102-71-6
Bromocresol purpleCAS 115-40-2
Abbreviations and acronyms

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS No:</td>
<td>Chemical Abstracts Service number.</td>
</tr>
<tr>
<td>CMR properties:</td>
<td>Carcinogenic, Mutagenic or toxic for Reproduction</td>
</tr>
<tr>
<td>STOT SE</td>
<td>Specific target organ toxicity - single exposure</td>
</tr>
<tr>
<td>LC₅₀</td>
<td>Lethal Concentration. In ecotoxicology, the LC₅₀ is the concentration which kills 50 % of a population of one species, within a specified period of time.</td>
</tr>
<tr>
<td>LD₅₀</td>
<td>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).</td>
</tr>
<tr>
<td>pH</td>
<td>pH is a measure of the acidity or basicity of an aqueous solution.</td>
</tr>
<tr>
<td>pKa</td>
<td>The symbol for the acid dissociation constant at logarithmic scale.</td>
</tr>
<tr>
<td>ppm</td>
<td>Parts per million.</td>
</tr>
<tr>
<td>vPvB substance:</td>
<td>Very persistent and very bioaccumulative substance.</td>
</tr>
<tr>
<td>WEL</td>
<td>Workplace Exposure Limits.</td>
</tr>
</tbody>
</table>

Contact

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