Description: The Kalazar Detect™ Test for Visceral Leishmaniasis (VL) is a rapid immunochromatographic strip assay for the qualitative detection of antibodies to members of *L. donovani* in human serum to aid in the presumptive diagnosis of VL.

Components:

<table>
<thead>
<tr>
<th>Product code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>INS015, INS025, INS020, INS050</td>
<td>Kalazar Detect™ Rapid Test (Human)</td>
</tr>
<tr>
<td></td>
<td>Kalazar Detect™ Rapid Test Strip (Human)</td>
</tr>
<tr>
<td></td>
<td>Chase Buffer</td>
</tr>
</tbody>
</table>
SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier:
  - Trade name: Kalazar Detect™ Rapid Test Strip (Human)

- 1.2 Relevant identified uses of the substance or mixture and uses advised against:
  - Product category: Scientific reagent

- 1.3 Details of the supplier of the safety data sheet:
  - Manufacturer/Supplier: InBios International, Inc.
    562 1st Ave. South
    Suite 600
    Seattle, WA 98104
    Ph: 206-344-5821
    Fax: 206-344-5823

- 1.4 Emergency telephone number:
  - For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident
    - Call CHEMTREC Day or Night
    - Within USA and Canada: 1-800-424-9300 or Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture:
  - Classification according to Regulation (EC) No 1272/2008
    The substance is not classified according to the CLP regulation.

- 2.2 Label elements:
  - Labelling according to Regulation (EC) No 1272/2008
    - Non-Regulated Material
  - Hazard pictograms: Non-Regulated Material
  - Signal word: Non-Regulated Material
  - Hazard statements: Non-Regulated Material
  - Additional information:
    - 99 % of the mixture consists of component(s) of unknown toxicity.
    - Contains 99 % of components with unknown hazards to the aquatic environment.

- 2.3 Other hazards:
  - None known

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

SECTION 3: Composition/information on ingredients

- 3.1 Chemical characterisation: Mixtures
  - Description: Reagent mixture
  - Dangerous components: Non-Regulated Material
  - Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- 4.1 Description of first aid measures:
  - General information: No special measures required.
  - After inhalation: Supply fresh air; consult doctor in case of complaints.
  - After skin contact: Generally the product does not irritate the skin.
  - After eye contact: Rinse opened eye for several minutes under running water.
  - After swallowing: If swallowed and symptoms occur, consult a doctor.

(Contd. on page 2)
Trade name: Kalazar Detect™ Rapid Test Strip (Human)

- **4.2 Most important symptoms and effects, both acute and delayed**
  No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
  No further relevant information available.

**SECTION 5: Firefighting measures**

- **5.1 Extinguishing media**
  - **Suitable extinguishing agents:**
    - CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **5.2 Special hazards arising from the substance or mixture**
  No further relevant information available.
- **5.3 Advice for firefighters**
  - **Protective equipment:**
    As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

**SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**
  Not required.
- **6.2 Environmental precautions:**
  No special measures required.
- **6.3 Methods and material for containment and cleaning up:**
  Dispose of the material collected according to regulations.
- **6.4 Reference to other sections**
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.

**SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling**
  No special measures required.
- **Information about fire and explosion protection:**
  No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
  - **Storage:**
    - **Requirements to be met by storerooms and receptacles:**
      No special requirements.
- **Information about storage in one common storage facility:**
  Not required.
- **Further information about storage conditions:**
  None.
- **7.3 Specific end use(s)**
  No further relevant information available.

**SECTION 8: Exposure controls/personal protection**

- **Additional information about design of technical facilities:**
  No further data; see item 7.
- **8.1 Control parameters**
  - **Ingredients with limit values that require monitoring at the workplace:**
    The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:**
  The lists valid during the making were used as basis.
- **8.2 Exposure controls**
  - **Personal protective equipment:**
    - **General protective and hygienic measures:**
      No special measures required.
    - **Respiratory protection:**
      Not required.
    - **Protection of hands:**
      Not required.
    - **Material of gloves:**
      Not required.
    - **Penetration time of glove material:**
      Not applicable.
SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:
- **Form:** Solid
- **Colour:** White
- **Odour:** Odourless

pH-value: Not applicable.

Change in condition
- **Melting point/Melting range:** Not determined.
- **Boiling point/Boiling range:** Not determined.

Flash point: Not applicable.

Flammability (solid, gaseous): Product is not flammable.

Ignition temperature: Not determined.

Decomposition temperature: Not determined.

Self-igniting: Not determined.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:
- **Lower:** Not determined.
- **Upper:** Not determined.

Vapour pressure: Not applicable.

Density:
- **Relative density:** Not determined.
- **Vapour density:** Not applicable.
- **Evaporation rate:** Not applicable.

Solubility in / Miscibility with water: Insoluble.

Partition coefficient (n-octanol/water): Not determined.

Viscosity:
- **Dynamic:** Not applicable.
- **Kinematic:** Not applicable.

Solvent content:
- **Organic solvents:** 0.0 %
- **Solids content:** 100.0 %

9.2 Other information
No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity: No further relevant information available.

10.2 Chemical stability: Stable under normal conditions.

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions: No dangerous reactions known.
Trade name: Kalazar Detect™ Rapid Test Strip (Human)

- **10.4 Conditions to avoid**: No further relevant information available.
- **10.5 Incompatible materials**: No further relevant information available.
- **10.6 Hazardous decomposition products**: No dangerous decomposition products known.

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
  - **Acute toxicity**: Based on available data, the classification criteria are not met.
  - **Primary irritant effect**:
    - **Skin corrosion/irritation**: Based on available data, the classification criteria are not met.
    - **Serious eye damage/irritation**: Based on available data, the classification criteria are not met.
    - **Sensitisation**: Based on available data, the classification criteria are not met.
  - **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**:
    - **Germ cell mutagenicity**: Based on available data, the classification criteria are not met.
    - **Carcinogenicity**: Based on available data, the classification criteria are not met.
    - **Reproductive toxicity**: Based on available data, the classification criteria are not met.
    - **STOT-single exposure**: Based on available data, the classification criteria are not met.
    - **STOT-repeated exposure**: Based on available data, the classification criteria are not met.
    - **Aspiration hazard**: Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

- **12.1 Toxicity**
  - **Aquatic toxicity**: No further relevant information available.
- **12.2 Persistence and degradability**: No further relevant information available.
- **12.3 Bioaccumulative potential**: No further relevant information available.
- **12.4 Mobility in soil**: No further relevant information available.
- **Additional ecological information**:
  - **General notes**: Generally not hazardous for water.
- **12.5 Results of PBT and vPvB assessment**
  - **PBT**: Not applicable.
  - **vPvB**: Not applicable.
- **12.6 Other adverse effects**: No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
  - **Recommendation**: Smaller quantities can be disposed of with household waste. Observe all federal, state and local environmental regulations when disposing of this material.
- **Uncleaned packaging**:
  - **Recommendation**: Disposal must be made according to official regulations.

### SECTION 14: Transport information

- **14.1 UN-Number**
  - **ADR, ADN, IMDG, IATA**: Non-Regulated Material
- **14.2 UN proper shipping name**
  - **ADR, ADN, IMDG, IATA**: Non-Regulated Material
- **14.3 Transport hazard class(es)**
  - **ADR, ADN, IMDG, IATA**: Non-Regulated Material
Trade name: Kalazar Detect™ Rapid Test Strip (Human)

14.4 Packing group
- ADR, IMDG, IATA: Non-Regulated Material

14.5 Environmental hazards:
- Not applicable.

14.6 Special precautions for user:
- Not applicable.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:
- Not applicable.

UN "Model Regulation":
- Non-Regulated Material

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Directive 2012/18/EU
- Named dangerous substances - ANNEX I: None of the ingredients are listed.

National regulations:
- The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

15.2 Chemical safety assessment:
- A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:
- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- LC50: Lethal concentration, 50 percent
- SVHC: Substances of Very High Concern

* Data compared to the previous version altered.

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

- **1.1 Product identifier:**
  - Trade name: Chase Buffer
    - Product Number: 500021

- **1.2 Relevant identified uses of the substance or mixture and uses advised against:**
  - Product category: Scientific reagent

- **1.3 Details of the supplier of the safety data sheet**
  - Manufacturer/Supplier:
    - InBios International, Inc.
    - 562 1st Ave. South
    - Suite 600
    - Seattle, WA 98104
    - Ph: 206-344-5821
    - Fax: 206-344-5823

- **1.4 Emergency telephone number:**
  - For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident
  - Call CHEMTREC Day or Night
  - Within USA and Canada: 1-800-424-9300 or Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
  - Classification according to Regulation (EC) No 1272/2008
  - The substance is not classified according to the CLP regulation.

- **2.2 Label elements**
  - Labelling according to Regulation (EC) No 1272/2008: Non-Regulated Material
  - Hazard pictograms: Non-Regulated Material
  - Signal word: Non-Regulated Material
  - Hazard statements: Non-Regulated Material
  - Additional information:
    - Safety data sheet available on request.

- **2.3 Other hazards:**
  - None known

**SECTION 3: Composition/information on ingredients**

- **3.1 Chemical characterisation: Mixtures**
  - Description: Mixture: consisting of the following components.

- **Dangerous components:**
  - CAS: 7647-01-0
  - EINECS: 231-595-7
  - RTECS: MW 9620000
  - Hydrochloric acid ≤ 2.5%
    - Skin Corr. 1B, H314;
    - Acute Tox. 4, H332;
    - STOT SE 3, H335

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

**SECTION 4: First aid measures**

- **4.1 Description of first aid measures**
  - General information:
    - Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

(Contd. on page 2)
No special measures required.

**After inhalation:**
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
In case of unconsciousness place patient stably in side position for transportation.

**After skin contact:**
Generally the product does not irritate the skin.

**After eye contact:**
Rinse opened eye for several minutes under running water.

**After swallowing:**
If swallowed and symptoms occur, consult a doctor.

**4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.

**4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

---

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**5.2 Special hazards arising from the substance or mixture**
No further relevant information available.

**5.3 Advice for firefighters**

**Protective equipment:**
Mouth respiratory protective device.
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

---

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**
Not required.

**6.2 Environmental precautions:**
No special measures required.

**6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated materials as waste according to item 13.
Ensure adequate ventilation.
Dispose of the material collected according to regulations.

**6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

---

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**
No special measures required.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

**Information about fire and explosion protection:**
No special measures required.

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage:**

**Requirements to be met by storerooms and receptacles:**
No special requirements.

**Information about storage in one common storage facility:**
Not required.

**Further information about storage conditions:**
Keep container tightly sealed.

**7.3 Specific end use(s)**
No further relevant information available.
SECTION 8: Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.
- 8.1 Control parameters
- Ingredients with limit values that require monitoring at the workplace:

<table>
<thead>
<tr>
<th>Substance</th>
<th>Short-term value</th>
<th>Long-term value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrochloric acid</td>
<td>8 mg/m³, 5 ppm</td>
<td>2 mg/m³, 1 ppm</td>
</tr>
<tr>
<td>Sodium Azide</td>
<td>0.3 mg/m³</td>
<td>0.1 mg/m³</td>
</tr>
</tbody>
</table>

- Additional information: The lists valid during the making were used as basis.
- 8.2 Exposure controls
  - Personal protective equipment:
    - General protective and hygienic measures:
      The usual precautionary measures are to be adhered to when handling chemicals. Keep away from foodstuffs, beverages and feed.
    - Respiratory protection: Not required.
    - Protection of hands: Not required.
    - Material of gloves: Not required.
    - Penetration time of glove material: Not applicable.
    - Eye protection:

      Goggles recommended during refilling

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
  - General Information
    - Appearance:
      - Form: Liquid
      - Colour: Colourless
      - Odour: Odourless
    - pH-value @ 20 °C: 7
    - Change in condition
      - Melting point/Melting range: Not determined.
      - Boiling point/Boiling range: Not determined.
    - Flash point: Not applicable.
    - Flammability (solid, gaseous): Not applicable.
    - Ignition temperature: Not determined.
    - Decomposition temperature: Not determined.
· **Self-igniting:** Product is not self-igniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits:**
  - **Lower:** 0 Vol %
  - **Upper:** 0 Vol %

· **Vapour pressure:** Not determined.

· **Density:**
  - **Relative density:** Not determined.
  - **Vapour density:** Not determined.
  - **Evaporation rate:** Not determined.

· **Solubility in / Miscibility with water:** Fully miscible.

· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity:**
  - **Dynamic:** Not determined.
  - **Kinematic:** Not determined.

· **Solvent content:**
  - **Organic solvents:** 0.0 %

· **9.2 Other information** No further relevant information available.

---

**SECTION 10: Stability and reactivity**

· **10.1 Reactivity:** No further relevant information available.

· **10.2 Chemical stability:** Stable under normal conditions.

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **10.3 Possibility of hazardous reactions:** No dangerous reactions known.

· **10.4 Conditions to avoid:** No further relevant information available.

· **10.5 Incompatible materials:** No further relevant information available.

· **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

---

**SECTION 11: Toxicological information**

· **11.1 Information on toxicological effects**
  - **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

<table>
<thead>
<tr>
<th>Substance</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalative LC50/4 h</th>
<th>LC50/4 h</th>
</tr>
</thead>
<tbody>
<tr>
<td>7647-01-0 Hydrochloric acid</td>
<td>700 mg/kg (rat)</td>
<td>900 mg/kg (rabbit)</td>
<td>5010 mg/kg (rabbit)</td>
<td>6.41 mg/l (rat)</td>
</tr>
<tr>
<td>26628-22-8 Sodium Azide</td>
<td>27 mg/kg (rat)</td>
<td>20 mg/kg (rabbit)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(Contd. on page 5)
SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

7647-01-0 Hydrochloric acid

EC50 3.6 mg/l (Bluegill/sunfish)
>56 mg/l (daphnia)

12.2 Persistence and degradability No further relevant information available.
12.3 Bioaccumulative potential No further relevant information available.
12.4 Mobility in soil No further relevant information available.

Additional ecological information:

General notes: Generally not hazardous for water
12.5 Results of PBT and vPvB assessment

PBT: Not applicable.
vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation: Smaller quantities can be disposed of with household waste.
Observe all federal, state and local environmental regulations when disposing of this material.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN-Number

ADR, ADN, IMDG, IATA Non-Regulated Material
SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- Directive 2012/18/EU
- Named dangerous substances - ANNEX I Hydrochloric acid

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:
- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- SVHC: Substances of Very High Concern
- Acute Tox.: Acute toxicity, Hazard Category
- Skin Corr.: Skin corrosion/irritation, Hazard Category
- STOT SE: Specific target organ toxicity - Single exposure, Hazard Category

* Data compared to the previous version altered.

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