1. PRODUCT AND COMPANY IDENTIFICATION
   A. PRODUCT IDENTIFIERS

   PRODUCT NAME : rhAmp Genotyping Master Mix
   SYNONYMS : N/A
   PRODCUT NUMBER/CODES : Proprietary Information
   INDEX # : N/A
   CAS # : N/A

B. DETAILS OF SUPPLIER OF THE SAFETY DATA SHEET

   COMPANY : Integrated DNA Technologies, Inc.
   1710 Commercial Park
   Coralville, IA 52241

   TELEPHONE : 1-800-328-2661
   EMERGENCY : 24 Hour Emergency Telephone:
   PHONE # : CHEMTREC: 1-800-424-9300

   Note: CHEMTREC’s emergency number is to be use only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

C. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE:
   For research and development purposes only.

2. HAZARD IDENTIFICATION
   A. GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

   I. PICTOGRAM:

   II. SIGNAL WORD : WARNING

   III. HAZARD STATEMENTS :

   H302 Harmful if swallowed

   IV. PRECAUTIONARY STATEMENTS: :

   P264 Wash skin thoroughly after handling
   P270 Do not eat, drink or smoke when using this product
   P301+P312 If Swallowed: Call a POSION CENTER/doctor if you feel unwell
   P501 Dispose of contents/container to an approved disposal facility

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>INGREDIENTS</th>
<th>CAS #</th>
<th>PERCENT</th>
<th>HAZARDOUS CLASSIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>80-100%</td>
<td>NON-HAZARDOUS</td>
</tr>
<tr>
<td>Magnesium Chloride</td>
<td>7786-30-3</td>
<td>&lt;0.1%</td>
<td>NON-HAZARDOUS</td>
</tr>
</tbody>
</table>
   | Sodium Azide     | 26628-22-8| <0.1%   | Acute toxicity, Oral (Category 2), H300
   |                  |          |         | Acute toxicity, Dermal (Category 1), H310
   |                  |          |         | Specific target organ toxicity - repeated exposure, Oral (Category 2), Brain, H373
   |                  |          |         | Acute aquatic toxicity (Category 1), H400
   |                  |          |         | Chronic aquatic toxicity (Category 1), H410 |
4. **FIRST AID MEASURES**

   **SKIN CONTACT:** Remove contaminated clothing. Flush affected area with water and then wash with soap or mild detergent and water. Observe for signs of irritation. If irritation is present, get medical attention.

   **EYE CONTACT:** Wash eyes with large amounts of water or normal saline for at least 15 minutes. Observe for signs of irritation. If irritation is present, get medical attention.

   **INGESTION:** Get medical attention.

   **INHALATION:** Remove from exposure area to fresh air immediately. Get medical attention immediately.

   **INJECTION:** If accidentally injected, get medical attention.

   **NOTE TO PHYSICIAN:** There is no specific antidote. Treat symptomatically and supportively.

5. **FIRE FIGHTING MEASURES**

   **Fire and Explosion Hazard:** None known to exist.

   **Fire Extinguishing Media:** Dry chemical, foam, carbon dioxide or water.

6. **ACCIDENTAL RELEASE MEASURES**

   **OCCUPATIONAL SPILL:** Wear appropriate protective clothing and chemically compatible gloves. Place spillage in appropriate container for waste disposal. Wash contaminated clothing before reuse.

   **REPORTABLE QUANTITY (RQ):** Not Applicable

7. **HANDLING AND STORAGE**

   Observe all federal, state and local regulations. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep tightly closed. Store in a cool dry place (prolonged storage at 4°C). Use prudent laboratory practices for handling and storage of chemical substances of unknown toxicity.

8. **EXPOSURE CONTROLS/PERSONAL PROTECTION**

   **EXPOSURE CONTROLS:** Use in a laboratory hood or other ventilated device. OSHA, ACGIH, or NIOSH has not established occupational exposure limits for this substance. Use prudent laboratory practices for handling chemical substances of unknown toxicity.

   **EYE PROTECTION:** Employees should wear splash proof or dust resistant safety goggles to prevent eye contact with this substance.

   **CLOTHING:** Employees should wear appropriate protective clothing (laboratory coat with long sleeves) and equipment to prevent skin contact with this material.

   **GLOVES:** Employee must wear appropriate protective gloves to prevent contact with this material.

9. **PHYSICAL AND CHEMICAL PROPERTIES**

   **DESCRIPTION:** Colorless Solution

   **PH:** 8.1-8.4

   **MOLECULAR WEIGHT:** Varies

10. **STABILITY AND REACTIVITY**

    **REACTIVITY:** No adverse reactions have been reported.

    **CONDITIONS TO AVOID** Prolonged Storage. Keep at 4°C.

    **INCOMPATIBILITIES:** Not Available

    **POLYMERIZATION:** Not Available
11. **TOXICOLOGICAL INFORMATION**

**TOXICITY:**
- LD50 Oral-Rat $>0.3g/kg$
- LD50 Dermal- Rabbit $>1.0g/kg$

**CARCINOGEN STATUS:**
- No information available.

**LOCAL EFFECTS:**
- Skin corrosion/irritation
  - Skin-Rabbit
  - Results- Very slight, reversible erythema was observed. No corrosive effects were observed.
  - (OECD Test Guideline 404)

**TARGET EFFECTS:**
- No information available.

**AT INCREASED RISK FROM EXPOSURE:**
- No information available.

**CARCINOGEN/REPRODUCTIVE TOXIN STATUS:**

- **IARC**
  - No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC

- **ACGIH**
  - No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH

- **NTP**
  - No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP

- **OSHA**
  - No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA

12. **ECOLOGICAL INFORMATION**

**ENVIRONMENTAL IMPACT RATING (0-4):**
- No data available

**ACUTE AQUATIC TOXICITY:**
- No data available

**DEGRADABILITY:**
- No data available

**LOG BIOCONCENTRATION FACTOR (BCF):**
- No data available

13. **DISPOSAL CONSIDERATIONS**

Observe all Federal, State and Local Regulations.

14. **TRANSPORTATION INFORMATION**

Ship as a non-regulated material. No transportation restrictions apply. The acute toxicity profile does not warrant shipment as a hazardous material (DOT) or a dangerous good (IATA).

15. **REGULATORY INFORMATION**

The toxicological properties of this material have not been investigated.

**SARA 302 Components**

The following components are subject to reporting levels established by SARA Title III, Section 302.

<table>
<thead>
<tr>
<th>Chemical</th>
<th>CAS-No</th>
<th>Revision Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Azide</td>
<td>26628-22-8</td>
<td>2007-07-01</td>
</tr>
</tbody>
</table>

**SARA 313 Components**

The following components are subject to reporting levels established by SARA Title III, Section 313:

<table>
<thead>
<tr>
<th>Chemical</th>
<th>CAS-No</th>
<th>Revision Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Azide</td>
<td>26628-22-8</td>
<td>2007-07-01</td>
</tr>
</tbody>
</table>

**SARA 311/312 Hazards**

<table>
<thead>
<tr>
<th>Chemical</th>
<th>STATE</th>
<th>CAS-No</th>
<th>Revision Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnesium Chloride</td>
<td>Pennsylvania</td>
<td>7786-30-3</td>
<td></td>
</tr>
<tr>
<td>Magnesium Chloride</td>
<td>New Jersey</td>
<td>7786-30-3</td>
<td></td>
</tr>
<tr>
<td>Sodium Azide</td>
<td>Pennsylvania</td>
<td>26628-22-8</td>
<td>2007-07-01</td>
</tr>
<tr>
<td>Sodium Azide</td>
<td>New Jersey</td>
<td>26628-22-8</td>
<td>2007-07-01</td>
</tr>
</tbody>
</table>
16. OTHER INFORMATION

POTENTIAL HEALTH EFFECTS:

<table>
<thead>
<tr>
<th>CONTACT TYPE</th>
<th>SHORT TERM EXPOSURE</th>
<th>LONG TERM EXPOSURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>SKIN CONTACT</td>
<td>Possible Irritant</td>
<td>No information available</td>
</tr>
<tr>
<td>EYE CONTACT</td>
<td>Possible Irritant</td>
<td>No information available</td>
</tr>
<tr>
<td>INGESTION</td>
<td>Possible Irritant</td>
<td>No information available</td>
</tr>
<tr>
<td>INHALATION</td>
<td>Possible Irritant</td>
<td>No information available</td>
</tr>
<tr>
<td>INJECTION</td>
<td>No information available</td>
<td>No information available</td>
</tr>
</tbody>
</table>

THE AFOREMENTIONED INFORMATION IS BELIEVED TO BE CORRECT, BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. INTEGRATED DNA TECHNOLOGIES SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT.