

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### A. PRODUCT IDENTIFIERS

PRODUCT NAME : PrimeTime® Gene Expression Master Mix  
SYNONYMS : N/A  
INDEX # : N/A  
CAS # : N/A

#### B. DETAILS OF SUPPLIER OF THE SAFETY DATA SHEET

COMPANY : Integrated DNA Technologies  
: 1710 Commercial Park  
: Coralville, IA 52241  
  
TELEPHONE : 1-800-328-2661  
EMERGENCY PHONE # : 24 Hour Emergency Telephone:  
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

**THIS PRODUCT IS CONSIDERED NON-HAZARDOUS.** Per OSHA 29CFR1910.1200, Commonwealth of Australia [NOHSC: 1005, 1008(1999)], and the latest amendments to the European Union Directives 67/548/EC and 1999/45/EC, this product does not require a Material Safety Data Sheet (MSDS) or Safety Data Sheet (SDS). This product does not contain more than 1% of a component classified as hazardous and does not contain more than 0.1% of a component classified as carcinogenic. Despite the classification of certain products/components as non-hazardous, we strongly recommend using prudent laboratory practices: avoiding unnecessary contact and use of personal protective equipment, which may include gloves, eye protection, and lab coats, during the use of any laboratory reagent. IDT shall not be held liable for any damages resulting from handling or from contact with the above product.

I. PICTOGRAM: :NOT APPLICABLE  
II. SIGNAL WORD :NOT APPLICABLE  
III. HAZARD STATEMENTS :NOT APPLICABLE  
IV. PRECAUTIONARY STATEMENTS: :NOT APPLICABLE

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Per OSHA 29CFR1910.1200, Commonwealth of Australia [NOHSC: 1005, 1008(1999)], and the latest amendments to the European Union Directives 67/548/EC and 1999/45/EC, this product does not require a Material Safety Data Sheet (MSDS) or Safety Data Sheet (SDS). This product does not contain more than 1% of a component classified as hazardous and does not contain more than 0.1% of a component classified as carcinogenic.

### 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: If swallowed, induce vomiting immediately after giving two glasses of Water. Never give anything by mouth to an unconscious person.

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

INJECTION: If accidentally injected, get medical attention.

5. **FIRE FIGHTING MEASURES**  
 Fire and Explosion Hazard: **Non-Flammable**  
 Fire Extinguishing Media: **N/A**
6. **ACCIDENTAL RELEASE MEASURES**  
 OCCUPATIONAL SPILL: **Absorb spill with inert material, then place in a chemical waste Container. Dispose of in a manner consistent with federal, local law.**  
 REPORTABLE QUANTITY (RQ): **Not Applicable**
7. **HANDLING AND STORAGE**  
**Observe all federal, state and local regulations. Do not breathe dust. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep tightly closed. Store in a cool dry place (prolonged storage at -20° 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: **Clear liquid.**  
 PH: **8-9**
10. **STABILITY AND REACTIVITY**  
 REACTIVITY: **Stable under recommended storage conditions.**  
 CONDITIONS TO AVOID **Avoid contact with electrical sources**  
 INCOMPATIBILITIES: **Strong oxidizing agents, strong acids, strong bases, water incompatible materials**  
 POLYMERIZATION: **Not Available**
11. **TOXICOLOGICAL INFORMATION**  
 TOXICITY: **The toxicological properties of this material have not been investigated. For research and development purposes only.**  
 CARCINOGEN STATUS: **No information available.**  
 LOCAL EFFECTS: **No information available.**  
 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. For research and development purposes only.**

**16. OTHER INFORMATION**

**POTENTIAL HEALTH EFFECTS:**

SKIN CONTACT:	Short Term Exposure:	<b>May be harmful if absorbed through skin –May cause chemical burns.</b>
	Long Term Exposure	<b>No information available</b>
EYE CONTACT:	Short Term Exposure:	<b>Irritating to mucus membranes</b>
	Long Term Exposure	<b>No information available</b>
INGESTION:	Short Term Exposure:	<b>May be toxic if swallowed. Irritating to mucus membranes.</b>
	Long Term Exposure	<b>No information available</b>
INHALATION:	Short Term Exposure:	<b>May be irritating if inhaled. Irritating to mucus membranes.</b>
	Long Term Exposure	<b>May cause long term health effects</b>
INJECTION:	Short Term Exposure:	<b>No information available</b>
	Long Term Exposure	<b>No information available</b>

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.