

## 1. Product and Company Identification

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Product Name: Sahara Hot Start PCR Master Mix

Catalog Number: R02151

Manufacturer/Supplier: Chai Biotechnologies Inc.  
990 Richard Ave, Suite 110  
Santa Clara, CA 95050  
Phone: +1 (650) 779-5577

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

## 2. Hazard Identification

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Component	Description	Safety Information
Sahara Hot Start PCR Master Mix	Mixture	Not a hazardous substance or mixture May cause mild irritation to the eyes and skin

## 3. Composition/Information on Ingredients

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Mixture. The product contains no substances which at their given concentration, are considered to be hazardous to health.

## 4. First Aid Measures

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A Skin Contact	Wash off immediately with plenty of water. If symptoms occur, obtain medical advice.
B Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician if necessary.
C Ingestion	Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do not induce vomiting without medical advice.
D Inhalation	Move person to fresh air. If symptoms persist, seek medical attention. If not breathing, and if you are trained in cardiopulmonary resuscitation (CPR), perform artificial respiration as you wait for the emergency response team.
E Notes to Physician	Treat symptomatically.

## 5. Firefighting Measures

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A	Extinguishing method	Ordinary extinguishing procedures can be used in case of fire.
B	Extinguishing agent	Water, powder, CO <sub>2</sub> , or bubble foam can be used.
C	Extinguishing media	No prohibited media.

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## 6. Accidental Release Measures

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A	Personal precautions	Avoid breathing vapors, mist or gas. Use personal protection equipment.
B	Environmental precautions	Prevent product from entering drains.
C	Methods for cleaning up	Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. After cleaning, flush away traces with water.

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## 7. Handling and Storage

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A	Handling	Avoid contact with skin and eyes. Always wear recommended personal protective equipment.
B	Storage	Store protected from light and in properly labeled containers.

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## 8. Exposure Controls/Personal Protection

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A	Control parameter	Prevent product from entering drains. Ensure adequate ventilation.
B	Personal protective equipment	<p><b>Hand Protection:</b> Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash hands and dry.</p> <p><b>Respiratory protection:</b> Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).</p> <p><b>Eye protection:</b> Safety glasses with side-shields. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN166 (EU).</p> <p><b>Hygiene measures:</b> Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.</p>

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## 9. Physical and Chemical Properties

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A	Appearance (physical state, color etc.)	Colorless liquid
B	Odor	No information available
C	Odor threshold	No information available
D	pH	8 – 9
E	Melting point/freezing point	No information available
F	Initial boiling point and boiling range	No information available
G	Flash point	No information available
H	Evaporation rate	No information available
I	Flammability	No information available
J	Upper/lower flammability or explosive limits	No information available
K	Vapor pressure	No information available
L	Vapor density	No information available
M	Partition coefficient	No information available
N	Relative density	No information available
O	Auto-ignition temperature	No information available
P	Decomposition temperature	No information available
Q	Viscosity	No information available

## 10. Stability and Reactivity

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A	Chemical stability	Stable under recommended storage conditions
B	Possibility of hazardous reactions	No information available
C	Conditions to avoid (e.g. static discharge, shock, or vibration)	No information available
D	Incompatible materials	Strong oxidizing agents
E	Hazardous decomposition products	No information available

## 11. Toxicological Information

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A	Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)	No information available
B	Symptoms related to the physical, chemical and toxicological characteristics	May cause slight irritation to eyes and skin
C	Delayed and immediate effects; chronic effects from short- and long-term exposure	No information available
D	Numerical measures of toxicity (such as acute toxicity estimates)	No information available

## 12. Ecological Information

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A	Ecotoxicity (aquatic and terrestrial, where available)	No information available
B	Persistence and degradability	No information available
C	Bioaccumulative potential	No information available
D	Mobility in the soil	No information available
E	Other adverse effects	No information available

## 13. Disposal Information

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Dispose of contents/containers in accordance with local regulations.

## 14. Transport Information

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A	UN number	None
B	UN proper shipping name	Not classified as dangerous under transport regulations
C	Transport hazard class	None
D	Packing group	None
E	Environmental hazards (e.g. marine pollutant)	None
F	Special precautions for user	None

## 15. Regulatory Information

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A	SARA 302 Components	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
B	SARA 313 Components	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

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## 16. Other Information Including Information on Preparation and Revision of the SDS

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