

1. Product and Company Identification

Product Name: **One-Step DNA/RNA Extraction Buffer**

Catalog Number: R05210

Manufacturer/Supplier: Chai 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

2.1 Classification of the mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Component	Description	Safety Information
One-Step DNA/RNA Extraction Buffer	Mixture	Not a hazardous substance or mixture

2.2 GHS Label elements, including precautionary statements

Not a hazardous substance or mixture

3. Composition/Information on Ingredients

This product is a proprietary mixture.

4. First Aid Measures

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

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

6. Accidental Release Measures

A	Personal precautions	Avoid breathing vapors, mist or gas. Use personal protection equipment.
B	Environmental precautions	No special environmental precautions required.
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.

7. Handling and Storage

A	Handling	Avoid contact with skin and eyes. Always wear recommended personal protective equipment.
B	Storage	Keep in a dry, cool, and well-ventilated place. Store in properly labeled containers.

8. Exposure Controls/Personal Protection

A	Control parameter	Prevent product from entering drains. Ensure adequate ventilation.
B	Personal protective equipment	<p>Hand Protection: Handle with gloves. Gloves must be inspected prior to use. Use of 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>Respiratory protection: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).</p> <p>Eye protection: 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>Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.</p>

9. Physical and Chemical Properties

Appearance (physical state, color etc.)	Colorless liquid
Odor	No information available
Odor threshold	No information available
pH	6 – 6.7
Melting point/freezing point	No information available
Initial boiling point and boiling range	No information available
Flash point	No information available
Evaporation rate	No information available
Flammability	No information available
Upper/lower flammability or explosive limits	No information available
Vapor pressure	No information available
Vapor density	No information available
Partition coefficient	No information available
Relative density	No information available
Auto-ignition temperature	No information available
Decomposition temperature	No information available
Viscosity	No information available

10. Stability and Reactivity

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	No information available
E Hazardous decomposition products	No information available

11. Toxicological Information

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	No information available
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

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

Dispose of contents/containers in accordance with local regulations.

14. Transport Information

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

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.

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

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This information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all-inclusive and is to be used only as a guide. All materials, solutions, and mixtures may present unknown hazards and should be used with caution. Since Chai cannot control the actual methods, conditions, or volumes of use, Chai Inc. shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein.

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