

SAFETY DATA SHEET

SECTION 1. Identification of the substance/mixture and of the company

1. Identification of the substance or mixture

Product No: 10101

Product Name: Hieff™ Taq DNA Polymerase

2. Recommended use of the chemical and restrictions on use

Relevant identified uses: For research use only.

Uses advised against: No information available.

3. Details of the supplier of the safety data sheet

Yeasen Biotechnology (Shanghai) Co., Ltd.

Tianxiong Road, Pudong New Area Shanghai International Medical Zone, Shanghai, China.

Hotline: +86-400-6111-883.

Fax: 021-34615995.

SECTION 2. Hazard Identification

1. GHS (Globally Harmonized System) Classification: Not a dangerous substance or mixture according to the GHS.

2. Signal word: None.

3. Health hazards: Not hazardous.

4. Physical hazards: Not hazardous.

5. Hazard statements: Not applicable.

6. Environmental hazards: Not Hazardous

7. Precautionary Statements: Not applicable.

8. Principle Routes of Exposure/Potential Health effects

Eyes: May cause eye irritation with susceptible persons.

Skin: May cause skin irritation in susceptible persons.

Inhalation: May be harmful by inhalation.

Ingestion: May be harmful if swallowed.

9. Specific effects

Carcinogenic effects: None.

Mutagenic effects: None.

Reproductive toxicity: None.

Sensitization: None.

SECTION 3. Composition/information on ingredients

1. Substance / Mixture: Mixture.
2. Mixture: Hazardous ingredients

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

SECTION 4. First aid measures

1. Skin contact: Rinse cautiously with water for several minutes. Immediate medical attention is not required.
2. Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
3. Ingestion: Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.
4. Inhalation: Not expected to be an inhalation hazard under anticipated conditions of Normal use of this material. Consult a physician if necessary.
5. Most important symptoms and effects, both acute and delayed: Not applicable
6. Notes to Physician: Treat symptomatically.

SECTION 5. Firefighting measures

1. Suitable extinguishing media: Water spray. Carbon dioxide (CO₂), Foam, Dry chemical.
2. Special protective equipment for firefighters: Standard procedure for chemical fires.
3. Specific hazards arising from the chemical: Not known.

SECTION 6. Accidental release measures

1. Personal precautions: Always wear recommended Personal Protective Equipment. Use personal protection equipment.
2. Methods for cleaning up: Soak up with inert absorbent material.
3. Environmental precautions: Prevent product from entering drains. Do not allow material to contaminate ground water system.

SECTION 7. Handling and storage

1. Handling: Use personal protective equipment as required. No special handling advices are necessary.
2. Storage: Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers.

SECTION 8. Exposure controls/personal protection

1. Exposure Limits: We are not aware of any national exposure limit.
2. Engineering measures: Ensure adequate ventilation, especially in confined areas.
3. Personal protective equipment: Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Hand Protection: Impervious gloves.

Eye protection: Safety glasses with side-shields.

Skin and body protection: Lightweight protective clothing.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

4. Environmental exposure controls: Prevent product from entering drains. Do not allow material to contaminate ground water system.

SECTION 9. Physical and chemical properties

Physical and chemical Properties	Information	Physical and chemical Properties	Information
Form	liquid	Flammability (solid gas)	No Data
Appearance	colorless	Oxidizing properties	No Data
Odor	odorless	Water solubility	No Data
Odor Threshold	No Data	Upper explosion limit	No Data
Boiling point / boiling range	No Data	Lower explosion limit	No Data
Melting point / melting range	No Data	Vapor Pressure	No Data
flash point	No Data	vapor density	No Data
Autoignition temperature	No Data	Viscosity	No Data
Evaporation rate	No Data	pH value	No Data

SECTION 10. Stability and reactivity

1. Stability: Stable under normal conditions.
2. Materials to avoid: No dangerous reaction known under conditions of normal use.
3. Possibility of hazardous reactions: Hazardous reaction has been reported.
4. Hazardous decomposition products: None under normal Use conditions.
5. Polymerization: Hazardous polymerization does not occur.
6. Conditions to avoid: None under normal processing.

SECTION 11: Toxicological information

1. Acute toxicity: No toxicology information is available.
2. Principle Routes of Exposure potential Health effects.
 - Eyes: May cause eye irritation with susceptible persons.
 - Skin: May cause skin irritation in susceptible persons.
 - Inhalation: May be harmful by inhalation.
 - Ingestion: May be harmful if swallowed.
 - Carcinogenic effects: None.
 - Mutagenic effects: None.
 - Reproductive toxicity: None.
 - Sensitization: None.

SECTION 12: Ecological information

1. Ecotoxicity: Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.
2. Mobility: No information available.
3. Biodegradation: No information available.
4. Bioaccumulation: No information available.

SECTION 13: Disposal considerations

Dispose of contents/containers in accordance with local regulations.

SECTION 14: Transport information

IATA

Proper Shipping Name: Not classified as dangerous in the meaning of transport regulations.

Hazard Class: None.

Subsidiary class: None

Packing group: None.

UN-No: None.

SECTION 15: Regulatory information

1. International Inventories: No information available.
2. China: No information available.

SECTION 16: Other information

1. Indication of changes: GHS aligned.
2. Training instructions: Use as instructed.
3. Further information: This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.
4. Notice to readers: Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees.

This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

End of Safety Data

Sheet