

## MATERIAL SAFETY DATA SHEET

Version: 1.0

Revision Date: 04/18/2021

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : UltraNuclease

Product Number : HBP000106

Brand : Hzymes

Product Use : For laboratory research purposes.

Supplier : Hzymes Biotechnology Co.,Ltd.

Address : 701, No. 6, Wuhan Optical Valley Precision medical industry base, No. 9, gaokeyuan Third Road, East lake High-Tech Development Zone, WUHAN

Telephone : +86 027-65528952

Fax : +86 027-65528952

Emergency Phone # (For both supplier and manufacturer) : +86 027-65528952

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

#### Colourless

If inhaled, remove the patient to fresh air. If breathing stops, perform artificial respiration. Rinse with soap and plenty of water. Wash eyes with water carefully. Never feed anything to an unconscious person. Rinse your mouth with water

#### GHS hazard category

Not a hazardous substance or mixture according to GHS.

#### GHS label elements, including precautionary statements

Not a hazardous substance or mixture according to GHS.

#### Physical and chemical hazards

Currently have information, no physical or chemical hazards.

#### Health hazard

Currently have information, no physical or Health hazard.

#### Environmental hazard

Currently have information, no physical or Environmental hazard.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / mixture: mixture

Component	CAS No.	Ec-No.	Concentration
Protein	-	-	-
Glycerol	56-81-5	200-289-5	-
MgCl <sub>2</sub>	7786-30-3	232-094-6	-
NaCl	7647-14-5	231-598-3	-

#### 4. FIRST AID MEASURES

**If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

**In case of skin contact**

Wash off with soap and plenty of water.

**In case of eye contact**

Flush eyes with water as a precaution.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water.

---

#### 5. FIREFIGHTING MEASURES

**Conditions of flammability**

Not flammable or combustible.

**Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Hazardous combustion products**

Hazardous decomposition products formed under fire conditions. - Nature of decomposition products not known.

**Special protective equipment for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

---

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions**

Avoid dust formation. Avoid breathing vapours, mist or gas.

**Environmental precautions**

Do not let product enter drains.

**Methods and materials for containment and cleaning up**

Sweep up and shovel. Keep in suitable, closed containers for disposal.

---

#### 7. HANDLING AND STORAGE

**Precautions for safe handling**

Provide appropriate exhaust ventilation at places where dust is formed.

**Conditions for safe storage**

Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: -20 °C (long term) or 2-8°C (short term)

Keep in a dry place.

---

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Personal protective equipment**

**Respiratory protection**

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection**

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 and dry hands.

### **Eye protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

### **Skin and body protection**

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

---

## **9. PHYSICAL AND CHEMICAL**

a) Appearance and traits	Form: Liquid
	Colour: Colourless
b) Odour	no data available
c) Odour Threshold	no data available
d) PH	7.75–8.25
e) Melting point/freezing point	no data available
f) Initial boiling point and boiling range	no data available
g) Flash point	no data available
h) Evaporation rate	no data available
i) flammability (solid, gas)	no data available
j) High/low flammability or explosive limit	no data available
k) Vapor Pressure	no data available
l) Vapor density	no data available
m) Density/relative density	no data available
n) Water solubility	Soluble
o) Partition coefficient of n-octanol/water	no data available
p) Auto-ignition temperature	no data available
q) Decomposition temperature	no data available
r) Viscosity Kinematic viscosity:	no data available
Dynamic viscosity:	no data available
s) Explosive characteristics	no data available
t) Oxidizing	no data available

---

## 10. STABILITY AND REACTIVITY

### **Chemical stability**

Stable under recommended storage conditions.

### **Possibility of hazardous reactions**

no data available

### **Conditions to avoid**

no data available

### **Materials to avoid**

Strong oxidizing agents

### **Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. - Nature of decomposition products not known. Other decomposition products - no data available

---

## 11. TOXICOLOGICAL INFORMATION

### **Mixture**

#### **Acute toxicity**

##### **Oral LD50**

no data available

##### **Inhalation LC50**

no data available

##### **Dermal LD50**

no data available

#### **Skin corrosion/irritation**

no data available

#### **Serious eye damage/eye irritation**

no data available

#### **Respiratory or skin sensitisation**

no data available

#### **Germ cell mutagenicity**

no data available

#### **Carcinogenicity**

no data available

#### **Reproductive toxicity**

no data available

#### **Specific target organ toxicity - single exposure (Globally Harmonized System)**

no data available

#### **Specific target organ toxicity - repeated exposure (Globally Harmonized System)**

no data available

#### **Aspiration hazard**

no data available

---

## 12. ECOLOGICAL INFORMATION

### **Toxicity**

no data available

### **Persistence and degradability**

no data available

### **Bioaccumulative potential**

no data available

### **Mobility in soil**

no data available

**PBT and vPvB assessment**

no data available

**Other adverse effects**

no data available

**13. DISPOSAL CONSIDERATIONS**

**Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging**

Dispose of as unused product

---

**14. Transport information**

**UN number**

ADR/RID: - IMDG: - IATA: -

**UN proper shipping name**

ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods

**Transport hazard class(es)**

ADR/RID: - IMDG: - IATA: -

**Packaging group**

ADR/RID: - IMDG: - IATA: -

**Environmental hazards**

ADR/RID: no IMDG Marine pollutant: no IATA: no

**Special precautions for user**

Further information Not classified as dangerous in the meaning of transport regulations.

---

**15. Regulatory information**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

No special information collection was conducted

**Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out.

---

**16. Other information**

**Further information**

Copyright: Hzymes Biotechnology Co.,Ltd.. license unlimited paper copy, only for internal use

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.

The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions.

It does not represent any guarantee of the properties of the product. Hzymes Biotechnology Co.,Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.