



# Safety Data Sheet

Created date 01-Feb.-2013  
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## 1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND THE COMPANY /UNDERTAKING

**Product Name: RNase Inhibitor(80,000 units / mL)**

**Identified use: Laboratory chemicals**

### **Company/Undertaking Identification**

CellFree Sciences Co., Ltd  
Yokohama Bio Industry Center, 1-6 Suehiro-cho Tsurumi-ku,  
Yokohama, Kanagawa 230-0045, Japan

### **Contact Information**

Sales & Marketing Department

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## 2. HAZARDOUS IDENTIFICATION

### **Classification of the substance or mixture**

The product is not classified according to the Globally harmonized System (GHS).

### **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

Not applicable. Product has been classified as none-hazardous.

### **Label elements**

GHS label elements: Void

Hazard pictograms: Void

Signal word: Void

Hazard Statements: Void

Classification system:

NFPA rating

Health = 0

Fire = 0

Reactivity = 0

HMIS-rating:

Health = 0

Fire = 0

Reactivity = 0

OSHA hazard Overview: Not applicable  
Target organ(s): May cause kidney damage

Physical State: Aqueous solution  
Principal Routes of exposure/Potential Health Effects  
Eyes No information available  
Skin No information available  
Inhalation No information available  
Ingestion Maybe harmful if swallowed

Specific effects  
Carcinogenic Effects No information available  
Mutagenic Effects No information available  
Reproductive Toxicity No information available  
Sensitization No information available

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

CHEMICAL NAME	Concentration, %	CAS No.
Glycerol	25 - 50	56-81-5

**4. FIRST AID AND MEASURES**

**GENERAL ADVICE:**  
Wash off immediately with soap and plenty of water. In the case of respirable dust and/or fumes, use self-contained breathing apparatus and dust impervious protective suit. Use personal protective equipment.

**INHALATION:**  
Move victim to fresh air. If breathing is difficult, give oxygen. If irritation persists, consult a physician.

**SKIN CONTACT:**  
Remove contaminated clothes and shoes, rinse skin with plenty of water or shower. Use soap to help assure removal. If irritation persists, consult a physician.

**EYE CONTACT:**  
Remove any contact lenses at once. Flush eyes well with flooding amounts of running water for at least 15minutes. Assure adequate flushing by separating the eyelids with sterile fingers. If irritation persists, consult a physician.

**INGESTION:**  
Rinse mouth, give plenty of water to dilute the substance. Never give anything by mouth to an unconscious person. Consult a physician.

## **5. FIRE FIGHTING MEASURES**

### EXTINGUISHING MEDIA:

Carbon dioxide, dry chemical powder, foam, water

### FIRE&EXPLOSION HAZARDS:

Toxic, irritating dust or smoke may be emitted.

### SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Firemen should wear normal protective equipment (full bunker gear) and positive-pressure self-contained breathing apparatus.

## **6. ACCIDENTAL RELEASE MEASURES**

### PROCEDURE(S) OF PERSONAL PRECAUTION(S):

Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of vapors.

### METHODS FOR CLEAN UP:

Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

## **7. HANDLING AND STORAGE**

### HANDLING:

No special measures necessary. Good laboratory technique should be used when handling.

### STORAGE:

No special measures necessary. Store at -20°C ~ -80°C.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### ENGINEERING MEASURES:

Use exhaust ventilation to keep airborne concentrations below exposure limits. Use only with adequate ventilation.

### VENTILATION:

Local Exhaust; Necessary, Mechanical(General); Recommended

### PERSONAL PROTECTION;

#### Respiratory protection:

Use a NIOSH/MSHA or European Standard EN149 approved respirator if the vapor concentrations exceed regulatory guidelines.

Hand protection:

Chemical resistant gloves

Eye protection:

Safety glasses (goggles)

Skin protection:

Protective clothing

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE:	Fluid
BOILING POINT:	Not applicable
MELTING POINT:	Not available
FREEZING POINT:	Not applicable
VAPOR DENSITY:	Not available
VAPOR PRESSURE:	Not available

## **10. STABILITY AND REACTIVITY**

STABILITY:	Stable, under normal handling and storage conditions.
DECOMPOSITION:	No data available.
CONDITIONS TO AVOID:	Contact with strong oxidants or fire.
HAZARDOUS POLYMERIZATION:	Will not occur.

## **11. TOXICOLOGICAL INFORMATION**

ACUTE TOXICITY DATA:	Not available
IRRITATION DATA:	Not available
MUTATION DATA:	Not available
REPRODUCTIVE EFFECTS DATA:	Not available
TUMORIGENIC DATA:	Not available

## **12. ECOLOGICAL INFORMATION**

BIODEGRADABILITY:	Not available
BIOACCUMULATION POTENTIAL:	Not available
AQUATIC TOXICITY:	Not available

## **13. DISPOSAL CONSIDERATION**

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber in accordance with all applicable regulations. Any disposal practice must be in compliance with country, local, state, and federal laws and regulations (contact country, local or state environmental agency for specific rules.)

## **14. TRANSPORT INFORMATION**

IATA:	Not Restricted.
DOT(Department of Transportation):	Not a Hazardous Material for DOT shipping.

## **15. REGULATORY INFORMATION**

Comply with all countries, national and local regulations.

## **16. OTHER INFORMATION**

The above information is believed to be correct to be the best of our knowledge and information but does not purport to be all inclusive and shall be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volume, or conditions of use the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS MSDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, OF ITS SUITABILITY FOR A PARTICULAR PURPOSE.