

Universite Mah. Cat Yolu Cad. Ata Teknokent Sitesi  
B Blok No: 74/113 Yakutiye Erzurum Turkiye  
Tel: 0090 544 327 34 97  
Fax: 0090 442 282 20 06 -124

## Safety Data Sheet (SDS)

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

#### 1.1 Product identifiers

Product Name: RNaseOVER RNase Decontamination Buffer  
Product Code: RO250, RO2506  
CAS Number: -  
EC Number: -

#### 1.2 Details of the supplier of the safety data sheet

Company: EcoTech Biotechnology  
Address: Universite Mah. Cat Yolu Cad. Ata Teknokent Sitesi B Blok No: 74/113 Yakutiye Erzurum Turkiye  
Telephone: 0090 544 327 34 97  
Fax: 0090 442 282 20 06 -124  
Emergency phone number : 0090 544 327 34 97

#### 1.3 Product use

For research use only

### SECTION 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Skin Corrosion/Irritation, Category 3

#### 2.2 Label elements

Pictogram:



Signal word : Warning

Hazard statement(s)

H315 : Causes skin irritation.

H319 : Causes serious eye irritation.

Precautionary statement(s)

P264 : Wash thoroughly after handling.

P280 : Wear protective gloves/protective clothing/eye protection/face protection.

Supplemental Hazard

Statement(s) : None

#### 2.3 Other hazards

#### 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.

**Specific effects**

|                       |      |
|-----------------------|------|
| Carcinogenic effects  | none |
| Mutagenic effects     | none |
| Reproductive toxicity | none |
| Sensitization         | none |

Target Organ Effects                      No known effects under normal use conditions

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Product Name**

RNaseOVER RNase Decontamination Buffer Synonyms:                      -

Concentration:                      -

Formula:                              -

Molecular Weight:                      -

This product is a mixture.

| Component              | CAS-No.  | Classification                                                                            | Concentration |
|------------------------|----------|-------------------------------------------------------------------------------------------|---------------|
| Sodium Dodecyl Sulfate | 151-21-3 | Acute Tox.(O) 4: H302<br>Skin Corr. 2: H315<br>Eye Damage 2A: H319<br>Aquatic (C) 3: H412 | 10 %          |

**SECTION 4. FIRST AID MEASURES****4.1 Description of first aid measures**

If inhaled:                              Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

If swallowed:                              Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.

In case of skin contact:                              Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

In case of eye contact:                              Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel.

**SECTION 5: FIREFIGHTING MEASURES****5.1 Extinguishing media**

Suitable extinguishing media (Water spray. Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical.)

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**5.2 Special hazards arising from the substance or mixture**

No information available.

**5.3 Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

**5.4 Further information**

Prevent fire extinguishing water from contaminating surface water or the ground water system.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures**

Evacuate personnel to safe areas. Ensure adequate ventilation.

Use personal protective equipment. Avoid formation of dust. Avoid breathing vapours, mist or gas.

For personal protection see section 8.

## 6.2 Environmental precautions

Local authorities should be advised if significant spillages cannot be contained. Do not let product enter drains.

## 6.3 Methods and materials for containment and cleaning up

Cover drains. Collect bind, and pump off spills. Keep in suitable, closed containers for disposal. Avoid generation of dusts.

## 6.4 Reference to other sections

For disposal see section 13.

# SECTION 7: HANDLING AND STORAGE

## 7.1 Advice on safe handling

Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid prolonged or repeated exposure.

## 7.2 Precautions for safe handling

For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.

## 7.3 Conditions for safe storage, including any incompatibilities

Keep tightly closed. Protect from light.

See label, package insert or internal guidelines.

# SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

## 8.1 Control parameters

Ingredients with workplace control parameters.

## 8.2 Exposure controls

### Engineering measures

Ensure adequate ventilation, especially in confined areas.

### Hygiene measures

Change contaminated clothing. Preventive skin protection recommended. Wash hands after working with substance.

### Personal protective equipment

**Eye/face protection:** Wear safety glasses with side-shields conforming to European Standard EN166.

**Hand protection:** Wear protective gloves.

**Skin and body protection:** Wear laboratory coat or impervious clothing.

**Respiratory protection:** NIOSH approved respirator, as conditions warrant.

# SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

## Information on basic physical and chemical properties

|                                                      |                   |
|------------------------------------------------------|-------------------|
| a) Appearance:                                       | Liquid            |
| b) Odor:                                             | Slight Odor       |
| c) Odor Threshold:                                   | No data available |
| d) pH:                                               | No data available |
| 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) Upper / lower flammability or explosive limits:   | No data available |
| k) Vapor pressure:                                   | No data available |
| l) Vapor density:                                    | No data available |
| m) Relative density:                                 | No data available |
| n) Solubility(ies):                                  | No data available |
| o) Partition coefficient: <i>n</i> -octanol / water: | No data available |
| p) Auto-ignition temperature:                        | No data available |
| q) Decomposition temperature:                        | No data available |
| r) Viscosity:                                        | No data available |

- s) Explosive properties: No data available  
t) Oxidizing properties: None

## SECTION 10. STABILITY AND REACTIVITY

### Stability and reactivity

- Reactivity:** No data available  
**Chemical stability:** Stable under normal conditions.  
**Possibility of hazardous reactions:** No data available  
**Conditions to avoid:** No data available  
**Hazardous decomposition products:** Hazardous polymerisation does not occur.

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

The toxicological effects of this product have not been thoroughly studied.

#### a) Acute toxicity:

| Component                      | LD50 Oral        | LD50 Dermal        | LD50 Inhalation                  |
|--------------------------------|------------------|--------------------|----------------------------------|
| Sodium Dodecyl Sulfate (Solid) | 1288 mg/kg (Rat) | 580 mg/kg (Rabbit) | 3900 mg/m <sup>3</sup> (Rat)-1 h |

- b) Skin corrosion / irritation: May cause skin irritation in susceptible persons.  
c) Serious eye damage/eye irritation: May cause eye irritation with susceptible persons.  
d) Carcinogenicity: Not classified based on available information.  
e) Reproductive toxicity: Not classified based on available information.  
f) STOT - SE: Not classified based on available information.  
g) STOT - RE: Not classified based on available information.  
h) Aspiration hazard: Not classified based on available information.

### 11.2 Potential health effects

- Ingestion:** Harmful if swallowed.  
**Inhalation:** May be harmful if inhaled. Causes respiratory tract irritation.  
**Skin:** Toxic if absorbed through skin. Causes skin irritation.  
**Eyes:** Causes eye irritation.

### 11.3 Additional Information

No additional information is available

## SECTION 12. ECOLOGICAL INFORMATION

### 12.1 Ecotoxicity

No data available

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

No data available

## SECTION 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

#### Product

Can be disposed as waste water, when in compliance with local regulations.

### Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

## Section 14. TRANSPORT INFORMATION

### 14.1 UN number

ADR/RID: -                      IMDG: -                      IATA: -

### 14.2 UN proper shipping name

ADR/RID:                      Not dangerous goods

IMDG:                          Not dangerous goods

IATA:                          Not dangerous goods

### 14.3 Transport hazard class(es)

ADR/RID: -                      IMDG: -                      IATA: -

### 14.4 Packaging group

ADR/RID: -                      IMDG: -                      IATA: -

### 14.5 Environmental hazards

ADR/RID: No                      IMDG: No                      IATA: No

### 14.6 Special precautions for user

Not classified as dangerous in the meaning of transport regulations.

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15. REGULATORY INFORMATION

OSHA Hazards: Target organ effect, Irritant, Harmful by ingestion, Toxic by skin absorption.

SARA 302 Components: SARA 302: No chemical in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components: SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title II, Section 313.

SARA 311/312 Hazards: Acute Health Hazard, Chronic Health Hazard

## SECTION 16. OTHER INFORMATION

### Key to abbreviations and acronyms

STOT-SE: Specific Target Organ Toxicity - Single Exposure

STOT-RE: Specific Target Organ Toxicity - Repeated Exposure

PBT: Persistent Bioaccumulative and Toxic

vPvB: very Persistent very Bioaccumulative and toxic

ADR: European Agreement concerning the international carriage of Dangerous goods by Road

CAS: Chemical Abstracts Service

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association

IMDG: International Maritime code for Dangerous Goods

REACH: Registration, Evaluation, Authorization and restriction of Chemicals

RID: Regulations concerning the International transport of Dangerous goods by rail