Safety data sheet

RNaseOVER RNase Decontamination Buffer

Product name RNaseOVER RNase Decontamination Buffer	Catalog no. RO250, RO2506
Synonyms -	Revision date -
CAS no. -	Document version / date 1.0 / 24 October 2026

01 PRODUCT AND COMPANY IDENTIFICATION

Product identifier	RNaseOVER RNase Decontamination Buffer
Product code	RO250, RO2506
CAS number	-
EC number	-
Recommended use	For research use only. Not intended for diagnostic or therapeutic use.
Supplier	EcoTech Biotechnology
Website	www.ecotechbiotech.com
Address	Universite Mah. İpekyolu Cad. Ata Teknokent Sitesi B Blok No: Z10 Yakutiye Erzurum Türkiye
Telephone	0090 544 327 34 97
SDS contact	info@ecotechbiotech.com
Emergency telephone	0090 544 327 34 97
Available	Monday-Saturday/08:00-20:00/GMT+3
Languages	Turkish/English
Outside these hours	Contact: info@ecotechbiotech.com

02 HAZARDS IDENTIFICATION

Classification	Skin corrosion / irritation, Category 3.
Label elements	GHS07; signal word: Warning.
Symbols / pictograms	
Signal word	Warning
Hazard statements	H315: Causes skin irritation. H319: Causes serious eye irritation.
Precautionary statements - Prevention	P264: Wash thoroughly after handling. P280: Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary statements - Response	None stated.
Other hazards	Eye and skin irritation may occur. May be harmful by inhalation or ingestion. No target-organ effects known under normal use conditions.

Composition & response

RNaseOVER RNase Decontamination Buffer | SAFETY DATA SHEET / SECTIONS 03-05

03 COMPOSITION / INFORMATION ON INGREDIENTS

Product name	RNaseOVER RNase Decontamination Buffer
Synonyms	-
Concentration	-
Formula	-
Molecular weight	-
Mixture statement	This product is a mixture. Sodium dodecyl sulfate (CAS 151-21-3): 10%. Ingredient classifications: Acute Tox. (oral) 4 (H302); Skin Irrit. 2 (H315); Eye Irrit. 2A (H319); Aquatic Chronic 3 (H412).

04 FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact	Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined by medical personnel.
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.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration or oxygen by trained personnel. Obtain immediate medical attention.
Ingestion	Rinse mouth with water if conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do not induce vomiting unless directed by medical personnel.
Self-protection of first aider	Use personal protective equipment and avoid direct contact.
Most important symptoms / effects	Irritation of skin, eyes and respiratory tract may occur.
Immediate medical attention / treatment	Seek medical attention for significant exposure or persistent symptoms.

05 FIREFIGHTING MEASURES

Suitable extinguishing media	Water spray, carbon dioxide (CO2), foam or dry chemical. Use measures appropriate to the surrounding fire.
Unsuitable extinguishing media	No data available
Special hazards arising from the substance or mixture	No information available.
Explosion data	No data available
Advice for firefighters	Wear self-contained breathing apparatus if necessary. Prevent firefighting runoff from contaminating surface or groundwater.

Safe use & protection

RNaseOVER RNase Decontamination Buffer | SAFETY DATA SHEET / SECTIONS 06-08

06 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Evacuate personnel to safe areas. Ensure adequate ventilation. Wear personal protective equipment. Avoid breathing vapours, mist or gas; refer to Section 8.
Environmental precautions	Notify local authorities if significant spillages cannot be contained. Do not allow product to enter drains.
Methods and materials for containment and cleaning up	Cover drains; collect, bind and pump off spills, as appropriate. Collect in suitable closed containers for disposal.
Reference to other sections	For disposal, see Section 13.

07 HANDLING AND STORAGE

Precautions for safe handling	Avoid breathing mist, vapours or spray and avoid prolonged or repeated exposure. Use PPE and prohibit eating, drinking or smoking in the work area.
Conditions for safe storage	Keep tightly closed. Protect from light.
Container labeling	Follow product label, package insert and applicable guidelines.

08 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; use preventive skin protection. Wash hands after handling.
Eye / face protection	Wear safety glasses with side shields conforming to EN 166.
Hand protection	Wear protective gloves.
Skin and body protection	Wear a laboratory coat or impervious clothing.
Respiratory protection	Use a NIOSH-approved respirator when conditions warrant.

Material properties

RNaseOVER RNase Decontamination Buffer | SAFETY DATA SHEET / SECTIONS 09-10

09 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid
Odor	Slight Odor
Odor threshold	No data available
pH	No data available
Melting point / freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper / lower flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Solubility(ies)	No data available
Partition coefficient: n-octanol / water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	None.

10 STABILITY AND REACTIVITY

Reactivity	No data available
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	No data available
Incompatible materials	No data available
Hazardous decomposition products	No data available

Health & environment

RNaseOVER RNase Decontamination Buffer | SAFETY DATA SHEET / SECTIONS 11-13

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	Sodium dodecyl sulfate (solid): Oral LD50 1,288 mg/kg (rat); dermal LD50 580 mg/kg (rabbit); inhalation LC50 3,900 mg/m3 (rat, 1 h).
Skin corrosion / irritation	May cause skin irritation in susceptible persons.
Serious eye damage / eye irritation	May cause eye irritation in susceptible persons.
Carcinogenicity	Not classified based on available information.
Reproductive toxicity	Not classified based on available information.
STOT - SE	Not classified based on available information.
STOT - RE	Not classified based on available information.
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.

12 ECOLOGICAL INFORMATION

Ecotoxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	No data available

13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product	May be disposed of as wastewater only where permitted by applicable local regulations.
Contaminated packaging	Empty containers should be taken to an approved waste handling facility for recycling or disposal. Do not reuse empty containers.

Transport & reference

RNaseOVER RNase Decontamination Buffer | SAFETY DATA SHEET / SECTIONS 14-16

14 TRANSPORT INFORMATION

Mode	UN no.	UN proper shipping name	Hazard class	Packing group	Environmental hazards
ADR / RID	-	Not dangerous goods	-	-	No
IMDG	-	Not dangerous goods	-	-	No
IATA	-	Not dangerous goods	-	-	No

Special precautions for user	Not classified as dangerous goods under applicable transport regulations.
Transport in bulk (MARPOL / IBC)	Not applicable.

15 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation	OSHA hazards: target organ effects, irritant, harmful by ingestion and toxic by skin absorption. SARA 302 / SARA 313: No components reported above disclosure thresholds. SARA 311/312: acute and chronic health hazards.
al hazards	Avoid release to drains and the environment.
Chemical Safety Assessment	No chemical safety assessment information available.

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