Safety data sheet

RNAintact, RNA stabilization solution

Product name RNAintact, RNA stabilization solution	Catalog no. R100
Synonyms -	Source SDS revision 28 January 2025
CAS no. -	Format version / date 3 / 25 October 2026

01 PRODUCT AND COMPANY IDENTIFICATION

Product identifier	RNAintact, RNA stabilization solution
Product code	R100
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	Not classified as hazardous according to Regulation (EC) No. 1272/2008 (CLP).
Label elements	No hazardous label elements required.
Symbols / pictograms	None
Signal word	None
Hazard statements	None
Precautionary statements - Prevention	Not applicable
Precautionary statements - Response	Not applicable
Other hazards	Contains no components considered PBT or vPvB at levels of 0.1% or higher.

Composition & response

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03 COMPOSITION / INFORMATION ON INGREDIENTS

Product name	RNAintact, RNA stabilization solution
Synonyms	-
Concentration	-
Formula	-
Molecular weight	-
Mixture / composition	Water (CAS 7732-18-5): 60-90%; ammonium sulfate (CAS 7783-20-2): 40-55%.
Additional components	Ethylenediaminetetraacetic acid disodium salt (CAS 6381-92-6): <1%; sodium citrate (CAS 6132-04-3): <1%.

04 FIRST AID MEASURES

4.1 Description of first aid measures

General advice	Remove contaminated clothing immediately and leave the danger area. Consult a physician and show the safety data sheet.
Eye contact	Rinse out with plenty of water. Remove contact lenses.
Skin contact	Remove all contaminated clothing. Rinse skin with water or shower.
Inhalation	Move to fresh air.
Ingestion	Do not induce vomiting without medical advice. Rinse mouth with water. Never give anything by mouth to an unconscious person. Obtain medical aid.
Self-protection of first aider	Use personal protective equipment as required.
Most important symptoms / effects	No information available.
Notes to physicians	No data available

05 FIREFIGHTING MEASURES

Suitable extinguishing media	Use media appropriate to the surrounding fire.
Unsuitable extinguishing media	No limitations are specified for this mixture.
Special hazards arising from the substance or mixture	Nitrogen oxides (NOx), sulfur oxides.
Explosion data	Sensitivity to mechanical impact: No information available. Sensitivity to static discharge: No information available.
Advice for firefighters	Wear self-contained breathing apparatus in the event of fire.

Safe use & protection

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06 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Avoid inhalation of dust. Evacuate danger area, observe emergency procedures and consult an expert.
Environmental precautions	Do not let product enter drains.
Methods and materials for containment and cleaning up	Cover drains; collect and bind or pump spills. Observe material restrictions. Take up dry, dispose properly and clean affected area; avoid dust formation.
Reference to other sections	For disposal see section 13.

07 HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin, eyes and clothing. Wash after handling. Avoid breathing fumes; ensure ventilation. Wear protective clothing, gloves, and eye/face protection. Keep away from ignition sources. Do not eat, drink or smoke.
Conditions for safe storage	Keep the container tightly closed in a dry, well-ventilated area away from incompatible substances.
Container labeling	Keep in properly labelled containers.
Recommended storage temperature	22-25 degrees C

08 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Ingredients with workplace control parameters; specific limits not available.

8.2 Exposure controls

Engineering measures	Avoid contact with eyes, skin and clothing. Wash hands before breaks and after handling.
Hygiene measures	Use good industrial hygiene practice. Do not eat, drink or smoke. Wash hands, forearms and face after handling.
Eye / face protection	Wear safety glasses meeting NIOSH or EN166 standards.
Hand protection	Select gloves for hazards, duration, working conditions and resistance of the glove material.
Skin and body protection	Select protective clothing for workplace conditions. At minimum wear a laboratory coat and closed-toe footwear.
Respiratory protection	When appropriate, select filtering respiratory protection meeting DIN EN 143, DIN EN 14387 and relevant standards.

Material properties

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09 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid, colorless
Odor	No data available
Odor threshold	No data available
pH	5.0-5.4
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)	The product is not flammable.
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	No data available

10 STABILITY AND REACTIVITY

Reactivity	Not applicable
Chemical stability	Stable under recommended temperatures and pressures.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	Extremes of temperature and direct sunlight.
Incompatible materials	No data available
Hazardous decomposition products	In the event of fire: see section 5.

Health & environment

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11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	No data available
Skin corrosion / irritation	No data available
Serious eye damage / eye irritation	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
STOT - SE	No data available
STOT - RE	No data available
Aspiration hazard	No data available

11.2 Potential health effects

Ingestion: May be harmful if swallowed.
Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.
Skin: May be harmful if absorbed through skin. May cause skin irritation.
Eyes: May cause eye irritation.

11.3 Additional information

No data available.

12 ECOLOGICAL INFORMATION

Ecotoxicity	Environmental impact not fully investigated. Ammonium sulfate: water flea EC50 121.7 mg/L (48 h); rainbow trout LC50 53 mg/L (96 h); Chlorella vulgaris EC50 2700 mg/L (18 d).
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	No components considered PBT or vPvB at levels of 0.1% or higher.

13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product	Contact a licensed professional waste disposal service. Dispose of according to applicable local, national and international regulations.
Contaminated packaging	Dispose of as unused product. Do not reuse empty containers.

Transport & reference

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14 TRANSPORT INFORMATION

Mode	UN no.	UN proper shipping name	Hazard class	Packing group	Environmental hazards
DOT (US)	N/A	Not regulated.	N/A	N/A	-
IMDG	N/A	Not regulated in the meaning of transport regulations.	N/A	N/A	-
IATA	N/A	Not regulated.	N/A	N/A	-

15 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation	Safety data sheet refers to Regulation (EC) No. 1907/2006 (REACH).
Environmental hazards	No additional information available.
Chemical safety assessment	No data 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, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Transport of Dangerous Goods by Rail