Canvax Reagents, S.L.
Luis de Mercado Street, 19
Boecillo Technological Park
47151, Boecillo
Valladolid, Spain.

Tlf: +34 983 54 85 63
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MATERIAL SAFETY DATA SHEET
RNase Inhibitor

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

1.1. PRODUCT DETAILS

Trade Name: RNase Inhibitor

Catalog Number: PO270

1.2. COMPANY DETAILS

Supplier: Canvax Reagents S.L., Luis de Mercado St. 19, Boecillo Technological Park, Valladolid (Spain)

1.3. EMERGENCY TELEPHONE NUMBER

European emergency number: 112
Spain:
CHEMTREC 900-868538
CHEMTREC (Barcelona) +(34)-931768545

2. HAZARDS IDENTIFICATION

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200

2.2. LABEL ELEMENTS

Hazard statements This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Appearance: Colorless
Physical state: Liquid
Odor: Mild

2.3. OTHER INFORMATION

No information available

3. CHEMICAL CHARACTERIZATION

Substance

Not applicable

4. FIRST AID MEASURES

4.1. DESCRIPTION OF FIRTS AID MEASURES

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Inhalation: Remove affected person immediately to fresh air. Get medical attention.

Ingestion: Rinse mouth with water. Provide plenty of water to drink. Get medical attention if any discomfort continues.

Skin contact: Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues. Get medical attention if any discomfort continues.

Eye contact: Flush immediately with plenty of water. Remove contact lenses and hold eyelids wide apart. Continue rinsing for at least 15 minutes. Get medical attention immediately. Continue rinsing.

4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Symptoms: No information available

4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Non-specific recommendations. In case of doubt, seek medical attention immediately.

5. FIRE FIGHTING MEASURES

5.1. EXTINGUISHING MEDIA

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

Large Fire: CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguish: Do not scatter spilled material with high pressure water streams.

5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

No information available.

5.3. EXPLOSION DATA

Sensitivity to mechanical impact: None.
Sensitivity to static discharge: None

5.4. ADVICE FOR FIRE FIGHTERS

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. ACCIDENTAL RELEASE MEASURES

6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Personal precaution: Ensure adequate ventilation.

6.2. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Methods for containment: Prevent further leakage or spillage if safe to do so.
Methods for cleaning up: Pick up and transfer to properly labeled containers.

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7. HANDLING AND STORAGE

7.1. PRECAUTIONS FOR SAFE HANDLING

Advice on safe handling: Handle in accordance with good industrial hygiene and safety practice

7.2. CONDITIONS FOR SAFE STORAGE INCLUDING ANY INCOMPATIBILITIES

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

7.3. SPECIFIC END USE(S)

Enzyme.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. EXPOSURE CONTROLS

Engineering controls:
- Showers
- Eyewash stations
- Ventilation systems.

Personal protective equipment

Eye Protection: No special protective equipment required.

Skin and body protection: No special protective equipment required.

Respiratory Protection: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations: Handle in accordance with good industrial hygiene and safety practice

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. BASIC INFORMATION ON PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Colorless
Color	No information available
Odor	Mild
Odor threshold	No information available

Property	Values	Remarks - Method
pH	No data available	None known
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	No data available	None known

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Flash point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	No data available	None known
Water solubility	No data available	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	392.8 °C / 739 °F	
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known

9.2. OTHER INFORMATION

Other information	
Explosive properties	No information available
Oxidizing properties	No information available
Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
Liquid Density	No information available
Bulk density	No information available

10. STABILITY AND REACTIVITY

10.1. REACTIVITY

No information available.

10.2. CHEMICAL STABILITY

Stable under normal conditions.

10.3. POSSIBILITY OF HAZARDOUS REACTIONS

None under normal processing.

10.4. CONDITIONS TO AVOID

None known based on information supplied.

10.5. INCOMPATIBLE MATERIALS

None known based on information supplied.

10.6. HAZARDOUS DECOMPOSITION PRODUCTS

None known based on information supplied.

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11. TOXICOLOGICAL INFORMATION

11.1. INFORMATION ON TOXICOLOGICAL EFFECTS

Inhalation: Specific test data for the substance or mixture is not available..

Ingestion: Specific test data for the substance or mixture is not available.

Skin contact: Specific test data for the substance or mixture is not available.

Eye contact: Specific test data for the substance or mixture is not available.

11.2. SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS

Symptoms: No information available

11.3. ACUTE TOXICITY

Numerical measures of toxicity
The following values are calculated based on chapter 3.1 of the GHS document
ATEmix (oral): 25,200.00 mg/kg
ATEmix (dermal): 20,000.00 mg/kg

11.4. DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE

Skin corrosion/irritation	No information available.
Serious eye damage/eye irritation	No information available.
Respiratory or skin sensitization	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.
Other adverse effects	No information available.
Interactive effects	No information available.

12. ECOLOGICAL INFORMATION

12.1. TOXICITY

Not data available.

12.2. PERSISTENCE AND DEGRADABILITY

Not data available.

12.3. BIOACCUMULATION POTENTIAL

Not data available.

12.4. MOBILITY IN THE SOIL

Not data available.

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12.5. PBT AND vPvBm

ASSESSMENT RESULTS

Not data available..

12.6. OTHER ADVERSE EFFECTS

Not determined.

13. DISPOSAL CONSIDERATIONS

13.1. WASTE TREATMENT METHODS

Waste from residues/unused products:
Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated Packaging
Do not reuse empty containers.

14. TRANSPORT INFORMATION

DOT	Not regulated
TDG	Not regulated
MEX	Not regulated
ICAO (air)	Not regulated
IATA	Not regulated
IMDG	Not regulated
RID	Not regulated
ADR	Not regulated
AND	Not regulated

15. REGULATORY INFORMATION

15.1. INTERNATIONAL INVENTORIES

TSCA	Contact supplier for inventory compliance status.
DSL/NDSL	Contact supplier for inventory compliance status.
EINECS/ELINCS	Contact supplier for inventory compliance status.
ENCS	Contact supplier for inventory compliance status.
IECSC	Contact supplier for inventory compliance status.
KECL	Contact supplier for inventory compliance status.
PICCS	Contact supplier for inventory compliance status.
AIIC	Contact supplier for inventory compliance status.
NZIoC	Contact supplier for inventory compliance status.

Legend:

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TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulation

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This product does not contain any substances regulated under applicable state right-to-know regulations

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

NFPA	Health hazards 0	Flammability 1	Instability 0	Special hazards -
HMIS	Health hazards 0	Flammability 1	Physical hazards 0	Personal protection X

Key or legend to abbreviations and acronyms used in the safety data sheet
Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL(Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Key literature references and sources for data used to compile the SDS
Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
National Institute of Technology and Evaluation (NITE)
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set World Health Organization

The above information is believed to be accurate, but does not purport to be all inclusive and shall be used only as a guide. Canvax Biotech makes no warranty, express or implied, and assumes no responsibility as to the accuracy or suitability of such information or application to the User's intended purpose or for consequences of its use. The Users should make independent decisions regarding the completeness of information based on all sources available.