

RNase Zero**RZ500****SECTION 1 Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product code : RZ500
Trade name : RNase Zero

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use : For research purposes only

1.3. Details of the supplier of the safety data sheet

Company identification **Formedium Ltd.**
Unit 1B Hunstanton Commercial Park Norfolk
PE365JQ
Tel: +44(0)1485 609069
Fax: +44(0)1485 600510
E-mail:info@formedium.com

1.4. Emergency telephone number

Emergency phone nr : Tel: +44(0)1485 609069 (local time : 9.00 to 17.00)
National Poison Information Centre :Europe UK : +44 0845 4647 (this service is only available to health professionals)
See www.toxbase.org for a local poison centre

SECTION 2 Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No. 1272 / 2008**

Hazard categories:

Skin corrosion / irritation: Skin Irrit. 2

Serious eye damage / eye irritation: Eye Irrit. 2

Hazard Statements:

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

2.2. Label elements**Regulation (EC) No. 1272/2008****Hazard components for labelling**

Alkali hydroxide

RNase Zero**RZ500****SECTION 2 Hazards identification (continued)****Labelling Regulation EC 1272/2008 (CLP)**

• Hazard pictograms

**Warning****Pictogram:****Hazard statements**

H315 – Causes skin irritation.

H319 - Causes serious eye irritation.

Precautionary statements

P264: Wash hands thoroughly after handling.

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

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do so. Continue rinsing.

P332+P313 - If skin irritation occurs; Get medical advice / attention.

P337 + P313 – If eye irritation persists: Get medical advice / attention.

P362 – Take off contaminated clothing and wash before re-use.

2.3. Other hazards

None under normal conditions.

SECTION 3 Composition/information on ingredients**3.1. Substances****Chemical characterization**

Alkali hydroxide

This product is hazardous.

Skin Irrit 2. Eye Irrit. 2 H315, H319

Full text of H and EUH statements: see Section 16.

Further Information : Warning – substance not yet tested completely.**SECTION 4 First aid measures****4.1. Description of first aid measures****Inhalation:** Assure fresh air breathing. If not breathing give artificial respiration. Seek medical advice.**Skin contact:** Wash off with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. Immediate medical attention is required.**Eye contact:** Keep eyelids open and rinse immediately with plenty of water. Immediate medical attention is required.**Ingestion:** Seek medical attention if ill effect develops. Never give anything by mouth to an unconscious person or a person with cramps.**Notes to physician:** treat symptomatically.**4.2. Most important symptoms and effects, both acute and delayed**

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

No information available.

RNase Zero**RZ500****SECTION 5 Fire-fighting measures****5.1. Extinguishing media**

Suitable extinguishing media : Water spray.
Alcohol resistant foam.
Dry extinguishing powder.
Carbon Dioxide (CO₂).

5.2. Special hazards arising from the substance or mixture

None

5.3. Advice for firefighters

Special protective equipment for firefighters : Wear a self-contained breathing apparatus and chemical protective clothing.

SECTION 6 Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Avoid generation of dust. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

6.2. Environmental precautions

Do not allow product to enter drains or surface water. Prevent further leakage or spillage if safe to do so.

Dispose of this material and its container in a safe way.

6.3. Methods and material for containment and cleaning up

Soak up with inert absorbent material.

6.4. Reference to other sections

Safe handling : see section 7

Personal protection equipment : see section 8

Disposal : see section 13

SECTION 7 Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Avoid contact with skin, eyes and clothes.

Wear personal protective equipment.

Keep in a dry, cool well-ventilated place.

Store at room temperature.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep in properly labelled containers.

Advice on storage compatibility

No special measures are necessary.

7.3. Specific end use(s)

For research purposes only.

RNase Zero**RZ500****SECTION 8 Exposure controls/personal protection****8.1. Control parameters****Additional advice on limit values**

None.

8.2. Exposure controls**Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

Eye protection

Wear safety glasses with side shields.

Hand protection

When handling wear impervious gloves.

Skin and body protection

Wear suitable lightweight protective clothing.

Respiratory protection

In case of insufficient ventilation wear suitable respiratory protection.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

SECTION 9 Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: liquid
Colour	: No information available
Odour	: No information available
Boiling point / Range	: No data available
Melting point / Range	: No data available
Flash point	: No data available
Autoignition temperature	: No data available
Oxidizing properties	: No data available
Water solubility	: Soluble

9.2. Other information

None

RNase Zero**RZ500****SECTION 10 Stability and reactivity****10.1. Reactivity**

No data available.

10.2. Chemical stability

The product is chemically stable under normal ambient conditions (room temperature).

10.3. Possibility of hazardous reactions

None.

10.4. Conditions to avoid

Keep away from heat.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

None.

RNase Zero**RZ500****SECTION 11 Toxicological information****11.1. Information on toxicological effects****Principle Routes of Exposure / Potential Health Effects**

Eyes	: Irritating to eyes.
Skin	: Irritating to skin.
Inhalation	: May be harmful by inhalation.
Ingestion	: May be harmful if swallowed, ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
Carcinogenic effects	: None
Mutagenic effects	: None
Reproductive toxicity	: None
Sensitisation	: None
Target Organ effects	: None under normal conditions.

SECTION 12 Ecological information**12.1. Toxicity**

No information available.

12.2. Persistence - degradability

This product has not been tested. 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.

12.6. Other adverse effects

Prevent entry into surface water or drains.

SECTION 13 Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

Dispose of waste according to applicable legislation. Consult the appropriate waste disposal expert about waste disposal.
Handle contaminated packages in the same way as the substance itself.

Waste disposal number of used product

070108 WASTES FROM ORGANIC CHEMICAL PROCESSES ; wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals; other still bottoms and reaction residues.
Classified as hazardous waste.

Waste disposal number of contaminated packaging

150110 WASTE PACKAGING ; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances.

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

RNase Zero**RZ500****SECTION 14 Transport information****14.1. UN Number**

Not applicable

General information : Not classified as dangerous in the meaning of transport regulations**14.2. Proper shipping name**

Not applicable

14.3. Transport Hazard Classification

Not applicable

14.4. Packing Group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15 Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

This safety datasheet complies with the requirements of Regulation (EC) No.: 2015 / 830

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16 Other information**Further information :**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Formedium Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product.

Complete SDS revision

The contents and format of this SDS are in accordance with REGULATION (EC) No 2015/830 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

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