

## SECTION 1 – IDENTIFICATION

**Product Identifier:** RNase Quiet  
Molecular Biology Grade

**Catalogue Number:** BIO-6010

**Other means of identification:** Not available

**Recommended use of the chemical and restrictions on use:**  
For R&D use only. Not for pharmaceutical, household or other uses.

### Supplier Information:

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### Emergency phone number:

Monday – Friday, 8:00 a.m. to 6:00 p.m.  
+65 6775 7318 (Singapore)  
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## SECTION 2 – HAZARDS IDENTIFICATION

### GHS Classification

Skin corrosion/irritation: Category 1  
Serious eye damage/eye irritation: Category 1

### GHS Hazard Pictogram(s):



**Signal Word:** Danger

### Hazard statements:

H302: Harmful if swallowed.  
H315: Causes skin irritation.  
H319: Causes serious eye irritation.

### Precautionary statement:

#### Prevention

P260: Do not breathe dust/ fume/ vapours/ spray  
P264: Wash hand and skin thoroughly after handling.  
P280: Wear protective gloves/ protective clothing/ eye protection/ face protection

**Response**

P362 + P364: Take off contaminated clothing and wash it before reuse.

P302 + P352-IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

**Disposal**

P501: Dispose of contents/ container to an approved waste disposal plant.

**SECTION 3 – COMPOSITION/ INFORMATION ON INGREDIENTS**

<b>Chemical characterization:</b>	Mixture (aqueous solution)
<b>Chemical Identity:</b>	Not disclosed ingredients
<b>Synonyms:</b>	-
<b>Molecular Formula:</b>	-
<b>Molecular Weight:</b>	-
<b>CAS No.:</b>	-
<b>EC No.:</b>	-

**SECTION 4 – FIRST-AID MEASURES****Eye Contact**

Flush eyes with water for at least 15minutes. Remove contact lenses, if present. Get medical advice as soon as possible.

**Skin Contact**

Immediately wash skin thoroughly with soap and copious amounts of water.

**Inhalation**

Remove to fresh air. If not breathing, give artificial respiration or if breathing is difficult, give oxygen.

**Ingestion**

Never give anything by mouth to an unconscious person. Rinse mouth with water.

**Most important symptoms and effects, both acute and delayed**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Indication of immediate medical attention and special treatment needed**

Data not available.

**SECTION 5 – FIRE-FIGHTING MEASURES****Extinguishing Media**

Use water spray, dry chemical powder, carbon dioxide.

**Special Exposure Hazards**

Data not available

**Special Fire-fighting Procedures**

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

### Personal Precautions

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

### Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

### Methods for Cleaning Up

Clean up spills immediately, observing precautions in the safety data sheet and label. Minimize dust generation. Dispose into a chemical waste container.

## SECTION 7 – HANDLING AND STORAGE

### Precautions for safe handling

Use with adequate ventilation as necessary or desired. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Follow all SDS/ label precautions. Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

### Conditions for safe storage, including any incompatibilities

Store in tightly closed container in a cool, dry and well-ventilated area. Protect from sunlight.

## SECTION 8 – EXPOSURE CONTROLS/ PERSONAL PROTECTION

### Occupational Exposure Limits

Component	CAS-No:	Value	Control Parameters	Basis
Not disclosed ingredients	-	-	-	-

### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice.

### Eye/ Face Protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

### Skin/ Hand Protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

#### **Body protection**

Impervious clothing. Type of protective equipment must be selected based on the concentration and amount of the dangerous substance at the specific workplace.

#### **Respiratory Protection**

Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Control of environmental exposure**

Do not let product enter drains.

### **SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

a)	<b>Appearance</b>	Clear colourless liquid
b)	<b>Odour</b>	Pungent odor
c)	<b>Odour Threshold</b>	Not available
d)	<b>pH</b>	12-14
e)	<b>Melting/freezing point</b>	Not available
f)	<b>Initial boiling point and boiling range</b>	Not available
g)	<b>Flash point</b>	Not available
h)	<b>Evaporation rate</b>	Not available
i)	<b>Flammability (solid, gas)</b>	Not available
j)	<b>Upper/lower flammability or explosive limits</b>	Not available
k)	<b>Vapour pressure (mm Hg)</b>	Not available
l)	<b>Vapour density</b>	Not available
m)	<b>Relative density</b>	1g/ml
n)	<b>Solubility (ies)</b>	Not available
o)	<b>Partition coefficient: n-octanol/water</b>	Not available

- p) **Autoignition temperature** Not available
- q) **Decomposition temperature** Not available
- r) **Viscosity** Not available

## SECTION 10 – STABILITY AND REACTIVITY

### Reactivity

Data not available.

### Chemical stability:

Stable under ambient conditions.

### Possibility of hazardous reactions

Strong oxidizing agents, strong bases, strong acids, reducing agents, alkalines, metals, peroxides.

### Conditions to avoid

Sunlight, heat, contact with incompatible materials

### Incompatible materials

Strong acids, strong bases, strong oxidizing agents.

### Hazardous decomposition products

Chlorine / hydrogen chloride

## SECTION 11 – TOXICOLOGICAL INFORMATION

### Acute Toxicity

Data not available

### Skin Corrosion/Irritation

Mixture causes skin irritation.

### Serious Eye Damage/Eye Irritation

Mixtures causes serious eye irritation.

### Respiratory or skin sensitization

Data not available.

### Germ cell mutagenicity

Data not available.

### Carcinogenicity

Data not available.

### Reproductive toxicity

Data not available.

### Specific target organ toxicity - single exposure

Data not available.

**Specific target organ toxicity - repeated exposure**

Data not available.

**Aspiration hazard**

Data not available.

**Other information**

Data not available

**SECTION 12 – ECOLOGICAL INFORMATION**

**Toxicity**

Data not available.

**Persistence and degradability**

Data not available.

**Bioaccumulative potential**

Data not available.

**Mobility in soil**

Data not available.

**Other adverse effect**

Data not available.

**SECTION 13 – DISPOSAL CONSIDERATIONS**

**Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging**

Dispose off as unused product.

**SECTION 14 – TRANSPORT INFORMATION**

**UN Number**

ADR/RID: 1760

IMDG:1760

IATA-DGR: 1760

**UN Proper Shipping Name:**

ADR/RID: Corrosive liquid

IMDG: Corrosive liquid

IATA-DGR: Corrosive liquid

**Transport Hazard Class(es)**

ADR/RID: 8

IMDG: 8

IATA-DGR: 8

**Packing Group**

ADR/RID: II

IMDG: II

IATA-DGR: II

**Environmental Hazards**

ADR/RID: no

IMDG: no

IATA-DGR: no

Marine pollutant: no

**Special Precaution for Users**

Data not available

**SECTION 15 – REGULATORY INFORMATION****Safety, health and environmental regulations/legislation specific for the substance or mixture**

Workplace Safety and Health Act and Workplace Safety and Health (General Provisions) Regulations: This product is subject to the requirements in the Act/Regulations.

Environmental Protection and Management Act and Environmental Protection and Management (Hazardous Substances) Regulations: Not applicable.

Fire Safety (Petroleum and Flammable Materials) Regulations: Not applicable.

**Chemical safety assessment**

A chemical safety assessment has not been carried out.

**SECTION 16 – OTHER INFORMATION**

**Date of Issue:** APR, 09 2025

**Date of Revision:** SEP, 10 2025

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

**Relevant phrases**

**H315.** Causes skin irritation.

**H319.** Causes serious eye irritation.

**H335.** May cause respiratory irritation.

**H334.** May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Abbreviations and acronyms**

**ADR.** Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).

**ADN.** The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.

**IMDG.** International Maritime Code for Dangerous Goods.

**IATA.** International Air Transport Association.

**GHS.** Globally Harmonised System of Classification and Labelling of Chemicals.

**EINECS.** European Inventory of Existing Commercial Chemical Substances.

**ELINCS.** European List of Notified Chemical Substances.

**CAS.** Chemical Abstracts Service (division of the American Chemical Society).

**VOC.** Volatile Organic Compounds (USA, EU).

**LC50.** Lethal concentration, 50 percent.

**LD50.** Lethal dose, 50 percent.

**PBT.** Persistent, Bioaccumulative and Toxic.

**vPvB.** very Persistent and very Bioaccumulative.

**Skin Irrit 2.** Skin corrosion/irritation – Category 2.

**Eye Irrit 2.** Serious eye damage/eye irritation – Category 2.

**Resp. Sens. 1.** Respiratory sensitizer – Category 1.

**Acute Tox. 4.** Acute toxicity – Category 4.

**Flam. Sol. 2.** Flammable solids – Category 2.

**Met. Corr. 1.** Corrosive to metals - Category 1.

**STOT SE 3.** Specific target organ toxicity (single exposure) – Category 3.