

RNase-Free DNase I Set

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1. PRODUCT AND COMPANY IDENTIFICATION

Commercial Product number: RNase-Free DNase I Set

Product number: DN036, DN096

Intended use: Biochemical Kit

Supplier: RBC Bioscience Corp.

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2. HAZARDS IDENTIFICATION

GHS Classification

Not a hazardous substance or mixture

GHS Label element, including precautionary statements

Not a hazardous substance or mixture

Other hazards:

Not applicable.

Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture

No hazardous substances in concentrations to be declared.

4. FIRST AID MEASURES

General advice:

Move out of dangerous area. Show this material safety data sheet to the doctor in attendance.

If inhaled:

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact:

Wash off immediately with soap and plenty of water.

In case of eye contact:

Flush eyes with water as a precaution. If symptoms persist, call a physician.

If swallowed:

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

Most important symptoms and effects, both acute and delayed:

The most important known symptoms and effects are described in the section 2.

Indication of any immediate medical attention and special treatment needed:

None

5. FIRE FIGHTING MEASURE

Suitable Extinguishing media:



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Use water spray, alcohol-resistant foam, dry extinguishing powder, BC-powder, carbon dioxide.

Specific hazards arising from the substance or mixture:

Ingredients of the mixture combustible. The product itself does not burn.

Hazardous combustion products:

Carbon oxides.

Advice for firefighters:

In the event of fire and/or explosion don't breathe fumes. Fight fire with normal precautions from a reasonable distance. Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personal to safe areas. Avoid breathing dust/fume/gas/mist/vapors/spray. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Environmental precautions:

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up:

Absorb with liquid-binding material. Keep in suitable, closed containers for disposal. See section 13.

7. HANDLING AND STORAGE

Precautions for safe handling:

No special measures and necessary. Wash hands before breaks and after work. Avoid inhalation, contact with eyes and skin. Avoid dust and aerosol formation.

Conditions for safe storage, including any incompatibilities:

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

Specific designs for storage room or vessels

Recommended storage temperature: 15-30°C

Specific end use(s):

No information available.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Ingredients with workplace control parameters

This product contains no substances with occupational exposure limit values.

Exposure controls

Ensure adequate ventilation. Provide accessible safety shower and eye wash station.

Personal protective equipment

Eye/Face protection:

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

Skin and body protection:

Wear impervious protective clothing, including shoes, gloves, apron, coveralls, lab coat, as appropriate to prevent skin contact.

Respiratory protection:

In the case of vapor formation use a respirator with an approved filter

Hygiene measures

General industrial hygiene practice.



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Solid, (lyophilized) / Liquid
Color: No data available.
Odor: No data available.
Odor Threshold: No data available.
pH: No data available.
Melting point/range: No data available.
Boiling point/range: No data available.
Flash point: No data available.
Evaporation rate: No data available.
Burning rate: No data available.
Upper explosion limit: No data available.
Lower explosion limit: No data available.
Vapor pressure: No data available.
Relative vapor density: No data available.
Relative density: No data available.
Density: No data available.
Solubility: No data available.
Water solubility: No data available.
Solubility in other solvents: No data available.
Partition coefficient n-octanol/water: No data available.
Auto ignition temperature: No data available.
Thermal decomposition: No data available.
Viscosity: No data available.
Viscosity, dynamic: No data available.
Viscosity, kinematic: No data available.
Explosive properties: No data available.
Oxidizing properties: No data available.

10. STABILITY AND REACTIVITY

Reactivity: No decomposition if stored and applied as directed.
Chemical stability: No decomposition if stored and applied as directed.
Possibility of hazardous reactions: Stable under recommended storage conditions.
Conditions to avoid: No data available.
Incompatible materials: No data available
Hazardous decomposition products: No decomposition if stored and applied as directed.

11. TOXICOLOGICAL INFORMATION

Information on hazard classes as defined in Regulation (EC) No 1272/2008

Test data are not available for the complete mixture

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification according to GHS (1272/2008/EC, CLP)

Acute toxicity

No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation



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No data available

Respiratory or skin sensitization

No data available

Germ Cell mutagenicity

Shall not be classified as germ cell mutagenic

Carcinogenicity

Shall not be classified as carcinogenic

Reproductive toxicity

Shall not be classified as a reproductive toxicant

STOT-single exposure

Shall not be classified as a specific target organ toxicant (single exposure)

STOT-repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure)

Aspiration toxicity

Shall not be classified as presenting an aspiration hazard

Symptoms related to the physical, chemical and toxicological characteristics

If swallowed

No data available

If in eyes

No data available

If inhaled

No data available

If on skin

No data available

Other information

No data available

Endocrine disruption properties

None of the ingredients are listed

Information on other hazards

There is no additional information

12. Ecological Information

Toxicity

Shall not be classified as hazardous to the aquatic environment.

Biodegradation

No data available

Persistence and degradability

No data available

Bio accumulative potential

No data available

Mobility in soil

No data available

Results of PBT and vPvB assessment

No data available

Endocrine disrupting properties

No data available



Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

Waste treatment Methods

The product must be disposed of as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations.

Remarks

Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities. Please consider the relevant national or regional provisions

14. TRANSPORT INFORMATION

UN number or ID number:

Not subject to transport regulations.

UN proper shipping name:

Not assigned

Transport hazard class(es):

None

Packing group, if applicable:

Not assigned

Environmental hazards:

non-environmentally hazardous acc.to the dangerous goods regulations.

Special precaution for user

There is no additional information.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

Not applicable

Maritime transport in bulk according to IMO instruments

The cargo is not intended to be carried in bulk

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) –

Additional information:

Not subject to ADR, RID and ADN

International Maritime Dangerous Goods Code (IMDG) - Additional information

Not subject to IMDG.

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Not subject to ICAO-IATA.

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Relevant provisions of the European Union (EU)

Restrictions according to REACH, Annex XVII.

List of substances subject to authorization (REACH, Annex XIV)/SVHC - candidate list

None of the ingredients are listed.

Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

None of the ingredients are listed.



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Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

None of the ingredients are listed.

Regulation on the marketing and use of explosives precursors

None of the ingredients are listed.

Regulation on substances that deplete the ozone layer (ODS)

None of the ingredients are listed.

Regulation concerning the export and import of hazardous chemicals (PIC)

None of the ingredients are listed.

Regulation on persistent organic pollutants (POP)

None of the ingredients are listed.

Other International Inventories

Directive 94/33/EC on the protection of young people at work. Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

16. OTHER INFORMATION

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.