

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Product name **Monarch Nuclease-Free Water**  
Product No T2006-1

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

Recommended use This product is for research and development only  
Uses advised against No information available

### 1.3. Details of the supplier of the safety data sheet

Supplier Address New England BioLabs  
240 County Road  
Ipswich, MA 01938  
USA

Company Phone Number 978-927-5054  
800-632-5227 (toll free)

Telefax 978-921-1350

### For further information, please contact

E-mail address info@neb.com

### 1.4. Emergency telephone number

Emergency telephone 978-927-5054  
800-632-5227 (toll free)  
9:00am - 5:00pm Monday-Friday EST

Emergency telephone - §45 - (EC)1272/2008  
Europe 112

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## Section 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

*Regulation (EC) No 1272/2008*

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

### 2.2. Label elements

#### **Product identifier**

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

#### **Signal word**

None

### 2.3. Other hazards

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Not applicable

### 3.2 Mixtures

Full text of H- and EUH-phrases: see section 16

## Section 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### **General advice**

No hazards which require special first aid measures.

#### **Eye contact**

None under normal use conditions.

#### **Skin contact**

None under normal use conditions.

#### **Inhalation**

None under normal use conditions.

#### **Ingestion**

None under normal use conditions.

### 4.2. Most important symptoms and effects, both acute and delayed

None known

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

#### **Note to physicians**

Treat symptomatically.

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## Section 5: FIRE FIGHTING MEASURES

### 5.1. Extinguishing media

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

#### **Unsuitable extinguishing media**

None.

### 5.2. Special hazards arising from the substance or mixture

None in particular

### 5.3. Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## Section 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

#### **Personal precautions**

No information available.

#### **For emergency responders**

Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

See Section 12 for additional Ecological Information.

### 6.3. Methods and material for containment and cleaning up

#### **Methods for containment**

Not applicable.

#### **Methods for cleaning up**

Collect spillage.

## Section 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice.

### 7.2. Conditions for safe storage, including any incompatibilities

#### **Storage temperature**

No information available.

#### **Storage Conditions**

Keep/store only in original container.

#### **Incompatible materials**

None known based on information supplied.

### 7.3. Specific end use(s)

#### **Risk management methods [RMM]**

The information required is contained in this Safety Data Sheet.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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### 8.1. Control parameters

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

**Derived No Effect Level (DNEL)** No information available

**Predicted No Effect Concentration (PNEC)** No information available

### 8.2. Exposure controls

**Engineering controls**  
Showers. Eyewash stations.

### **Individual protection measures, such as personal protective equipment**

**Eye/face protection**

Wear safety glasses with side shields (or goggles).

**Skin and body protection**

Wear suitable protective clothing and gloves.

**Respiratory protection**

Not applicable.

**General hygiene considerations**

Handle in accordance with good industrial hygiene and safety practice.

**Environmental exposure controls**

See Section 12: ECOLOGICAL INFORMATION.

## **Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

### Information on basic physical and chemical properties

<b>Physical state</b>	Liquid
<b>Appearance</b>	Colorless
<b>Odor</b>	Mild

**Property**

pH

Melting point / freezing point

Boiling point / boiling range

Flash point

Evaporation rate

Flammability (solid, gas)

Flammability Limit in Air

Upper flammability limit

Lower flammability limit

Vapor pressure

Vapor density

Relative density

Specific gravity

Water solubility

Solubility in other solvents

Partition coefficient

Autoignition temperature

Decomposition temperature

Kinematic viscosity

Dynamic viscosity

**Remarks • Method**

Not applicable

No information available

No information available

No information available

No information available

No information available

No information available

No information available

No information available

No information available

No information available

No information available

No information available

No information available

No information available

No information available

No information available

No information available

**Explosive properties**  
**Oxidizing properties**

No information available  
No information available

**Other information**

**Softening point**  
**Molecular weight**  
**VOC content (%)**  
**Density**  
**Bulk density**

No information available  
No information available  
No information available  
No information available  
No information available

## Section 10: STABILITY AND REACTIVITY

**10.1. Reactivity**

No data 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.

## Section 11: TOXICOLOGICAL INFORMATION

**11.1. Information on toxicological effects**

**Acute toxicity**

**Product information**

Product does not present an acute toxicity hazard based on known or supplied information.

**Inhalation**

No known effect

**Eye contact**

No known effect based on information supplied

**Skin contact**

No known hazard in contact with skin

**Ingestion**

No known effect based on information supplied

**Unknown acute toxicity**

0 % of the mixture consists of ingredient(s) of unknown toxicity

**Skin corrosion/irritation**

Not applicable

**Serious eye damage/eye irritation**

Not applicable

**Sensitization**

Not applicable

**Germ cell mutagenicity**

Not applicable

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<b>Carcinogenicity</b>	No information available
<b>Reproductive toxicity</b>	No information available
<b>Developmental toxicity</b>	No information available
<b>Teratogenicity</b>	No information available
<b>STOT - single exposure</b>	No information available
<b>STOT - repeated exposure</b>	No information available
<b>Neurological effects</b>	No information available
<b>Target organ effects</b>	None known.
<b>Other adverse effects</b>	No information available
<b>Symptoms</b>	No information available
<b>Aspiration hazard</b>	No information available

## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

### 12.2. Persistence and degradability

No information available

### 12.3. Bioaccumulative potential

No information available

### 12.4. Mobility in soil

No information available

### 12.5. Results of PBT and vPvB assessment

No information available

### 12.6. Other adverse effects

**Other adverse effects**  
No information available

**Endocrine disruptor information**  
No information available

**Ozone**  
No information available

## Section 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

#### **Waste from Residues/Unused Products**

Disposal should be in accordance with applicable regional, national and local laws and regulations. Send to a licensed recycler, reclaimer or incinerator.

#### **Contaminated packaging**

Empty containers must be tripled rinsed prior to disposal.

## Section 14: TRANSPORT INFORMATION

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**Specification No** No information available

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### IMDG

14.1 UN/ID No	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard class	Not regulated
14.4 Packing group	Not regulated
14.5 Marine pollutant	Not applicable
14.6 Special Provisions	None
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available

### RID

14.1 UN/ID No	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard class	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None

### ADR

14.1 UN/ID No	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard class	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None

### ICAO (air)

14.1 UN/ID No	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard class	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None

### IATA

14.1 UN/ID No	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard class	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None

## **Section 15: REGULATORY INFORMATION**

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

#### **National Regulations**

**Occupational Illnesses (R-463-3, France)**

#### **European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

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### International Inventories

All of the components in the product are on the following Inventory lists TSCA (United States);, Canada (DSL/NDSL), Europe (EINECS/ELINCS), Australia (AICS), South Korea (KECL);, China (IECSC), Philippines (PICCS).

TSCA	Complies
EINECS	Complies
ELINCS	-
DSL	Complies
NDSL	Complies
PICCS	Complies
ENCS	-
IECSC	Complies
AICS	Complies
KECL	Complies

### Legend

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances

### 15.2. Chemical safety assessment

No information available

## Section 16: OTHER INFORMATION

### Key or legend to abbreviations and acronyms used in the safety data sheet

Prepared by	EH&S Manager 978-927-5054
Prepared by	New England BioLabs
Issue date	No data available
Revision note	SDS is valid 3 years from revision date. Contact info@neb.com for latest revision.

This safety data sheet complies with the requirements of: Regulation (EC) No. 1907/2006

### Disclaimer

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**End of Safety Data Sheet**