



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
Regulation (EC) No. 1907/2006 as amended by Regulation (EU) No. 2020/878, and  
Regulation (EC) No. 1272/2008

Revision date 02-Dec-2024

Version 9

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Product No** P0756  
**Product name** Adenosine 5'-Triphosphate  
**Pure substance/mixture** Mixture

### 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**

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

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

For further information, please contact

**Company Phone Number** 978-927-5054, 800-632-5227 (toll free)  
**Telefax** 978-921-1350  
**E-mail address** info@neb.com

### 1.4. Emergency telephone number

24 Hour Emergency Phone Number Chemtrec +44 20 3885 0382

|               |                        |
|---------------|------------------------|
| <b>Europe</b> | <b>+1 978-380-2125</b> |
|---------------|------------------------|

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to  
Regulation (EC) No. 1272/2008 [CLP]

|  |                     |
|--|---------------------|
| <b>Skin corrosion/irritation</b>         | Category 2 - (H315) |
| <b>Serious eye damage/eye irritation</b> | Category 2 - (H319) |

### 2.2. Label elements



#### Signal word

Warning

#### Hazard statements

H315 - Causes skin irritation

H319 - Causes serious eye irritation

#### Precautionary Statements - EU (§28, 1272/2008)

P264 - Wash face, hands and any exposed skin thoroughly after handling.

P280 - Wear protective gloves, eye protection and face protection.

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

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

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

#### Unknown aquatic toxicity

Contains 0 % of components with unknown hazards to the aquatic environment.

### 2.3. Other hazards

No information available.

#### Endocrine Disruptor Information

This product does not contain any known or suspected endocrine disruptors.

**SECTION 3: Composition/information on ingredients****3.1 Substances**

Not applicable

**3.2 Mixtures**

| Chemical name                 | Weight-% | REACH registration number | EC No (EU Index No)         | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Specific concentration limit (SCL)   | M-Factor | M-Factor (long-term) |
|-------------------------------|----------|---------------------------|-----------------------------|---|--|----------|----------------------|
| Sodium Hydroxide<br>1310-73-2 | 0.1 - 1  | No data available         | 215-185-5<br>(011-002-00-6) | Skin Corr. 1A (H314)  | Eye Irrit. 2 ::<br>0.5%≤C<2%<br>Skin Corr.<br>1A :: C≥5%<br>Skin Corr.<br>1B ::<br>2%≤C<5%<br>Skin Irrit. 2 ::<br>0.5%≤C<2%<br>% | -        | -                    |

**Full text of H- and EUH-phrases: see section 16**Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

| Chemical name                 | Oral LD50 mg/kg | Dermal LD50 mg/kg | Inhalation LC50 - 4 hour - dust/mist - mg/L | Inhalation LC50 - 4 hour - vapor - mg/L | Inhalation LC50 - 4 hour - gas - ppm |
|-------------------------------|-----------------|-------------------|---|---|--------------------------------------|
| Sodium Hydroxide<br>1310-73-2 | 325             | 1350              | No data available                           | No data available                       | No data available                    |

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

**SECTION 4: First aid measures****4.1. Description of first aid measures**

|   |   |
|---|---|
| <b>General advice</b>                     | Show this safety data sheet to the doctor in attendance.  |
| <b>Inhalation</b>                         | Remove to fresh air. Get medical attention immediately if symptoms occur.   |
| <b>Eye contact</b>                        | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists. |
| <b>Skin contact</b>                       | Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.  |
| <b>Ingestion</b>                          | Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.   |
| <b>Self-protection of the first aider</b> | Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).   |

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

**Symptoms** May cause redness and tearing of the eyes. Burning sensation.

**Effects of Exposure** None.

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

**Note to physicians** Treat symptomatically.

**SECTION 5: Firefighting 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 extinguishing media** Do not scatter spilled material with high pressure water streams.

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

**Specific hazards arising from the chemical** No information available.

**5.3. Advice for firefighters**

**Special protective equipment and precautions for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

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

**Personal precautions** Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required.

**Other information** Refer to protective measures listed in Sections 7 and 8.

**For emergency responders** Use personal protection recommended in Section 8.

**6.2. Environmental precautions**

**Environmental precautions** Prevent further leakage or spillage if safe to do so.

**6.3. 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** Take up mechanically, placing in appropriate containers for disposal.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

**6.4. Reference to other sections**

**Reference to other sections** See section 8 for more information. See section 13 for more information.

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

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

**General hygiene considerations** Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing.

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

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Storage class (TRGS 510)** Storage class 10.

**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****8.1. Control parameters****Exposure Limits**

| Chemical name                 | European Union  | Austria  | Belgium   | Bulgaria  | Croatia   |
|-------------------------------|---|--|---|---|---|
| Sodium Hydroxide<br>1310-73-2 | -   | TWA: 2 mg/m <sup>3</sup><br>STEL 4 mg/m <sup>3</sup>     | TWA: 2 mg/m <sup>3</sup>                              | TWA: 2.0 mg/m <sup>3</sup>                            | STEL: 2 mg/m <sup>3</sup>                               |
| Chemical name                 | Cyprus  | Czech Republic   | Denmark   | Estonia   | Finland   |
| Sodium Hydroxide<br>1310-73-2 | -   | TWA: 1 mg/m <sup>3</sup><br>Ceiling: 2 mg/m <sup>3</sup> | Ceiling: 2 mg/m <sup>3</sup>                          | TWA: 1 mg/m <sup>3</sup><br>STEL: 2 mg/m <sup>3</sup> | Ceiling: 2 mg/m <sup>3</sup>                            |
| Chemical name                 | France  | Germany TRGS   | Germany DFG   | Greece  | Hungary   |
| Sodium Hydroxide<br>1310-73-2 | TWA: 2 mg/m <sup>3</sup>                                      | -  | -   | TWA: 2 mg/m <sup>3</sup><br>STEL: 2 mg/m <sup>3</sup> | TWA: 1 mg/m <sup>3</sup><br>STEL: 2 mg/m <sup>3</sup>   |
| Chemical name                 | Ireland   | Italy MDLPS  | Italy AIDII   | Latvia  | Lithuania   |
| Sodium Hydroxide<br>1310-73-2 | STEL: 2 mg/m <sup>3</sup>                                     | -  | Ceiling: 2 mg/m <sup>3</sup>                          | TWA: 0.5 mg/m <sup>3</sup>                            | Ceiling: 2 mg/m <sup>3</sup>                            |
| Chemical name                 | Luxembourg  | Malta  | Netherlands   | Norway  | Poland  |
| Sodium Hydroxide<br>1310-73-2 | -   | -  | -   | Ceiling: 2 mg/m <sup>3</sup>                          | TWA: 0.5 mg/m <sup>3</sup><br>STEL: 1 mg/m <sup>3</sup> |
| Chemical name                 | Portugal  | Romania  | Slovakia  | Slovenia  | Spain   |
| Sodium Hydroxide<br>1310-73-2 | Ceiling: 2 mg/m <sup>3</sup>                                  | TWA: 1 mg/m <sup>3</sup><br>STEL: 3 mg/m <sup>3</sup>    | TWA: 2 mg/m <sup>3</sup>                              | -   | STEL: 2 mg/m <sup>3</sup>                               |
| Chemical name                 | Sweden  |  | Switzerland   |   | United Kingdom  |
| Sodium Hydroxide<br>1310-73-2 | NGV: 1 mg/m <sup>3</sup><br>Bindande KGV: 2 mg/m <sup>3</sup> |  | TWA: 2 mg/m <sup>3</sup><br>STEL: 2 mg/m <sup>3</sup> |   | STEL: 2 mg/m <sup>3</sup>                               |

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

**Derived No Effect Level (DNEL) - Workers**

| Chemical name    | Oral | Dermal | Inhalation                  |
|------------------|------|--------|-----------------------------|
| Sodium Hydroxide | -    | -      | 1 mg/m <sup>3</sup> [5] [6] |

| Chemical name | Oral | Dermal | Inhalation |
|---------------|------|--------|------------|
| 1310-73-2     |      |        |            |

**Notes**

[5] Local health effects.  
 [6] Long term.

**Derived No Effect Level (DNEL) - General Public**

| Chemical name                 | Oral | Dermal | Inhalation                  |
|-------------------------------|------|--------|-----------------------------|
| Sodium Hydroxide<br>1310-73-2 | -    | -      | 1 mg/m <sup>3</sup> [5] [6] |

**Notes**

[5] Local health effects.  
 [6] Long term.

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

**8.2. Exposure controls**

- Engineering controls** No information available.
- Individual protection measures, such as personal protective equipment**
- Eye/face protection** If splashes are likely to occur, wear safety glasses with side-shields.
- Hand protection** Wear suitable gloves. Impervious gloves.
- Skin and body protection** Wear suitable protective clothing. Long sleeved clothing.
- 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** Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing.
- Environmental exposure controls** No information available.

**SECTION 9: Physical and chemical properties**

**9.1. 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 |
|---|-------------------|------------------|
| Melting point / freezing point          | No data available | None known       |
| Initial boiling point and boiling range | No data available | None known       |
| Flammability (solid, gas)               | No data available | None known       |

|   |                          |            |
|---|--------------------------|------------|
| <b>Flammability Limit in Air</b>              |                          | None known |
| <b>Upper flammability or explosive limits</b> | No data available        |            |
| <b>Lower flammability or explosive limits</b> | No data available        |            |
| <b>Flash point</b>                            | No data available        | None known |
| <b>Autoignition temperature</b>               | No data available        | None known |
| <b>Decomposition temperature</b>              |                          | None known |
| <b>pH</b>                                     | No data available        | None known |
| <b>pH (as aqueous solution)</b>               | No data available        | None known |
| <b>Kinematic viscosity</b>                    | No data available        | None known |
| <b>Dynamic viscosity</b>                      | No data available        | None known |
| <b>Water solubility</b>                       | No data available        | None known |
| <b>Solubility(ies)</b>                        | No data available        | None known |
| <b>Partition coefficient</b>                  | No data available        | None known |
| <b>Vapor pressure</b>                         | No data available        | None known |
| <b>Relative density</b>                       | No data available        | None known |
| <b>Bulk density</b>                           | No data available        |            |
| <b>Liquid Density</b>                         | No data available        |            |
| <b>Vapor density</b>                          | No data available        | None known |
| <b>Particle characteristics</b>               |                          |            |
| <b>Particle Size</b>                          | No information available |            |
| <b>Particle Size Distribution</b>             | No information available |            |

## 9.2. Other information

9.2.1. Information with regard to physical hazard classes  
Not applicable

9.2.2. Other safety characteristics  
No information available

## **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

**Reactivity** No information available.

### 10.2. Chemical stability

**Stability** Stable under normal conditions.

#### **Explosion data**

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

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** None under normal processing.

### 10.4. Conditions to avoid

**Conditions to avoid** None known based on information supplied.

### 10.5. Incompatible materials

**Incompatible materials** Strong acids. Strong bases. Strong oxidizing agents.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** None known based on information supplied.

## SECTION 11: Toxicological information

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

#### Information on likely routes of exposure

##### Product Information

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.  |
| <b>Eye contact</b>  | Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain. |
| <b>Skin contact</b> | Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).  |
| <b>Ingestion</b>    | Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.             |

#### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** Redness. May cause redness and tearing of the eyes.

#### Acute toxicity

##### Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

|                                      |                 |
|--------------------------------------|-----------------|
| <b>ATEmix (oral)</b>                 | 99,999.00 mg/kg |
| <b>ATEmix (dermal)</b>               | 99,999.00 mg/kg |
| <b>ATEmix (inhalation-gas)</b>       | 99,999.00 ppm   |
| <b>ATEmix (inhalation-vapor)</b>     | 99,999.00 mg/l  |
| <b>ATEmix (inhalation-dust/mist)</b> | 99,999.00 mg/l  |

#### Component Information

| Chemical name    | Oral LD50           | Dermal LD50             | Inhalation LC50 |
|------------------|---------------------|-------------------------|-----------------|
| Sodium Hydroxide | = 325 mg/kg ( Rat ) | = 1350 mg/kg ( Rabbit ) | -               |

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

|  |  |
|--|--|
| <b>Skin corrosion/irritation</b>         | Classification based on data available for ingredients. Causes skin irritation. May cause skin irritation. |
| <b>Serious eye damage/eye irritation</b> | Classification based on data available for ingredients. Causes serious eye irritation.                     |
| <b>Respiratory or skin sensitization</b> | No information available.  |
| <b>Germ cell mutagenicity</b>            | No information available.  |
| <b>Carcinogenicity</b>                   | 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.

### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

**Endocrine disrupting properties** No information available.

#### 11.2.2. Other information

**Other adverse effects** No information available.

## **SECTION 12: Ecological information**

### 12.1. Toxicity

#### Ecotoxicity

**Unknown aquatic toxicity** Contains 0 % of components with unknown hazards to the aquatic environment.

| Chemical name    | Algae/aquatic plants | Fish                                       | Toxicity to microorganisms | Crustacea |
|------------------|----------------------|--|----------------------------|-----------|
| Sodium Hydroxide | -                    | LC50: =45.4mg/L (96h, Oncorhynchus mykiss) | -                          | -         |

### 12.2. Persistence and degradability

**Persistence and degradability** No information available.

### 12.3. Bioaccumulative potential

**Bioaccumulation** There is no data for this product.

### 12.4. Mobility in soil

**Mobility in soil** No information available.

### 12.5. Results of PBT and vPvB assessment

**PBT and vPvB assessment** No information available.

| Chemical name    | PBT and vPvB assessment         |
|------------------|---------------------------------|
| Sodium Hydroxide | The substance is not PBT / vPvB |

### 12.6. Endocrine disrupting properties

**Endocrine disrupting properties** No information available.

### 12.7. Other adverse effects

No information available.

## **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

|  |   |
|--|---|
| <b>Waste from residues/unused products</b> | Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation. |
| <b>Contaminated packaging</b>              | Do not reuse empty containers.  |
| <b>Other information</b>                   | Waste codes should be assigned by the user based on the application for which the product was used.             |

## **SECTION 14: Transport information**

### IATA

|   |                |
|---|----------------|
| <b>14.1 UN number or ID number</b>        | Not regulated  |
| <b>14.2 Extended Proper Shipping Name</b> | Not regulated  |
| <b>14.3 Transport hazard class(es)</b>    | Not regulated  |
| <b>14.4 Packing group</b>                 | Not regulated  |
| <b>14.5 Environmental hazard</b>          | Not applicable |
| <b>14.6 Special precautions for user</b>  |                |
| <b>Special Provisions</b>                 | None           |

### IMDG

|   |                          |
|---|--------------------------|
| <b>14.1 UN number or ID number</b>                                  | Not regulated            |
| <b>14.2 Extended Proper Shipping Name</b>                           | Not regulated            |
| <b>14.3 Transport hazard class(es)</b>                              | Not regulated            |
| <b>14.4 Packing group</b>   | Not regulated            |
| <b>14.5 Environmental hazard</b>                                    | Not applicable           |
| <b>14.6 Special precautions for user</b>                            |                          |
| <b>Special Provisions</b>   | None                     |
| <b>14.7 Maritime transport in bulk according to IMO instruments</b> | No information available |

### RID

|   |                |
|---|----------------|
| <b>14.1 UN number or ID number</b>        | Not regulated  |
| <b>14.2 Extended Proper Shipping Name</b> | Not regulated  |
| <b>14.3 Transport hazard class(es)</b>    | Not regulated  |
| <b>14.4 Packing group</b>                 | Not regulated  |
| <b>14.5 Environmental hazard</b>          | Not applicable |
| <b>14.6 Special precautions for user</b>  |                |
| <b>Special Provisions</b>                 | None           |

### ADR

|                                     |               |
|-------------------------------------|---------------|
| <b>14.1 UN number or ID number</b>  | Not regulated |
| <b>14.2 UN proper shipping name</b> | Not regulated |

|                                   |                |
|-----------------------------------|----------------|
| 14.3 Transport hazard class(es)   | Not regulated  |
| 14.4 Packing group                | Not regulated  |
| 14.5 Environmental hazard         | Not applicable |
| 14.6 Special precautions for user |                |
| Special Provisions                | None           |

## SECTION 15: Regulatory information

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

#### 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.

#### Authorizations and/or restrictions on use:

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

| Chemical name                | Restricted substance per REACH Annex XVII | Substance subject to authorization per REACH Annex XIV |
|------------------------------|---|--|
| Sodium Hydroxide - 1310-73-2 | 75  | -  |

#### Persistent Organic Pollutants

Not applicable

#### Ozone-depleting substances (ODS) Regulation (EU) 2024/590

Not applicable

#### International Inventories

|                      |  |
|----------------------|--|
| <b>TSCA</b>          | Contact supplier for inventory compliance status |
| <b>DSL/NDSL</b>      | Contact supplier for inventory compliance status |
| <b>EINECS/ELINCS</b> | Contact supplier for inventory compliance status |
| <b>ENCS</b>          | Contact supplier for inventory compliance status |
| <b>IECSC</b>         | Contact supplier for inventory compliance status |
| <b>KECL</b>          | Contact supplier for inventory compliance status |
| <b>PICCS</b>         | Contact supplier for inventory compliance status |
| <b>AIC</b>           | Contact supplier for inventory compliance status |
| <b>NZIoC</b>         | Contact supplier for inventory compliance status |

#### Legend:

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

### 15.2. Chemical safety assessment

Chemical Safety Report No information available

## SECTION 16: Other information

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

**Full text of any hazard and/or precautionary statements referred to under Sections 2-15**

H314 - Causes severe skin burns and eye damage

**Legend**

SVHC: Substances of Very High Concern for Authorization:

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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

**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)

European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA\_RAC)

European Chemicals Agency (ECHA) (ECHA\_API)

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)

U.S. 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

**Revision date**

02-Dec-2024

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

The information provided in this Safety Data Sheet is correct to the best of our knowledge and belief at the date of publication. This information is intended only as a guide for safe handling, use, processing, storage, transportation, disposal and release and should not be taken as a warranty or quality specification. The information relates only to the specific material and may not be valid for such material used in combination with any other materials or in any process unless expressly specified in the text. New England Biolabs will not be liable for any damages resulting from handling or contact with the product.

**End of Safety Data Sheet**