

Revision date 06-May-2023

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

Version 9

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

| 1.1. Product identifier | |
|---|---|
| Product No | C2529 |
| Product name | NiCo21(DE3) Competent E.coli |
| Pure substance/mixture | Mixture |
| 1.2. Relevant identified uses of the s | 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 saf | ety data sheet |
| <u>Supplier Address</u> 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 |
| Europe | +1 978-380-2125 |

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 [CLP]

This mixture is classified as not nazaroous according to regulation (EC) 1272/200

2.2. Label elements

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

Hazard statements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP] EUH210 - Safety data sheet available on request

Unknown aquatic toxicity

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

2.3. Other hazards

Per Centers for Disease Control and Prevention (CDC) Guidelines (Biosafety in Microbiological and Biomedical Laboratories, 5th Edition), this material can be handled at Biological Safety Level One (BSL-1) containment. Biological Safety Level One (BSL-1) containment, using standard microbiological practices, is suitable for work involving well-characterized microbiological organisms not known to consistently cause disease in immunocompetent adult humans, and present minimal potential hazard to laboratory personnel and the environment.

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 | Weight-% | REACH registration | EC No (EU Index | Classification according to | Specific | M-Facto | M-Factor |
|-----------------------------------|----------|--------------------|-----------------------------|-----------------------------|---------------|---------|-----------|
| name | | number | No) | Regulation (EC) No. | concentratio | r | (long-ter |
| | | | | 1272/2008 [CLP] | n limit (SCL) | | m) |
| Dimethly Sulfoxide | 5 - 10 | No data available | 200-664-3 | No data available | - | - | - |
| 67-68-5 | | | | | | | |
| Calcium Chloride 10043-52-4 | 1 - 5 | No data available | (017-013-00-2) 233-140-8 | Eye Irrit. 2 (H319) | - | - | - |

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 | Inhalation LC50 - 4 | Inhalation LC50 - 4 |
|--------------------|-----------------|-------------------|---------------------|---------------------|---------------------|
| | | | hour - dust/mist - | hour - vapor - mg/L | hour - gas - ppm |
| | | | mg/L | | |
| Dimethly Sulfoxide | 28300 | 40000 | No data available | No data available | No data available |
| 67-68-5 | | | | | |
| Calcium Chloride | 1000 | 5000 | No data available | No data available | No data available |
| 10043-52-4 | | | | | |

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

| SECTION 4: First aid m | easures |
|---|--|
| 4.1. Description of first aid mea | isures |
| Inhalation | Remove to fresh air. |
| Eye contact | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| Skin contact | Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician. |
| Ingestion | Rinse mouth. |
| 4.2. Most important symptoms Symptoms | and effects, both acute and delayed No information available. |
| Effects of Exposure | No information available. |
| <u>4.3. Indication of any immediate</u> Note to physicians | e medical attention and special treatment needed 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 | e 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 | Ensure adequate ventilation. |
|--------------------------|---|
| For emergency responders | Use personal protection recommended in Section 8. |

| 6.2. Environmental precautions | |
|-------------------------------------|--|
| Environmental precautions | See Section 12 for additional Ecological Information. |
| 6.3. Methods and material for conta | ainment 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 | Ensure adequate ventilation. |
| General hygiene considerations | Handle in accordance with good industrial hygiene and safety practice. |
| 7.2. Conditions for safe storage, inc | luding any incompatibilities |
| Storage Conditions | Keep container tightly closed in a dry 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 |
|--------------------------------|----------------|--|---|---|---------------------|
| Dimethly Sulfoxide 67-68-5 | - | TWA: 50 ppm TWA: 160 mg/m ³ H* | - | - | - |
| Chemical name | Cyprus | Czech Republic | Denmark | Estonia | Finland |
| Dimethly Sulfoxide 67-68-5 | - | - | TWA: 50 ppm TWA: 160 mg/m ³ STEL: 100 ppm STEL: 320 mg/m ³ | TWA: 50 ppm TWA: 150 mg/m ³ STEL: 150 ppm STEL: 500 mg/m ³ A* | TWA: 50 ppm iho* |
| Calcium Chloride 10043-52-4 | - | TWA: 5 mg/m ³ Ceiling: 4 mg/m ³ | - | - | - |
| Chemical name | France | Germany TRGS | Germany DFG | Greece | Hungary |
| Dimethly Sulfoxide 67-68-5 | - | TWA: 50 ppm TWA: 160 mg/m ³ H* | TWA: 50 ppm TWA: 160 mg/m³ Peak: 100 ppm | _ | _ |

| | | | Peak: 320 mg/m ³ | | | |
|--------------------------------|--------------------|--|---|--------------------------|--|---|
| Chemical name | Ireland | Italy MDLPS | Italy AIDII | La | atvia | Lithuania |
| Dimethly Sulfoxide 67-68-5 | - | - | - | | - | O* TWA: 50 ppm TWA: 150 mg/m ³ STEL: 150 ppm STEL: 500 mg/m ³ |
| Calcium Chloride 10043-52-4 | - | - | - | TWA: | 2 mg/m³ | - |
| Chemical name | Portugal | Romania | Slovakia | Slo | venia | Spain |
| Dimethly Sulfoxide 67-68-5 | - | - | - | TWA: STEL: STEL: 3 | 60 mg/m ³ 50 ppm 100 ppm 320 mg/m ³ K* | - |
| Chemical name | SI | Sweden Switzerland United Kin | | ted Kingdom | | |
| Dimethly Sulfoxide 67-68-5 | NGV: Vägledande | ': 50 ppm 150 mg/m ³ e KGV: 150 ppm KGV: 500 mg/m ³ H* | TWA: 50 ppm TWA: 160 mg/m STEL: 100 ppm STEL: 320 mg/n H* | ו | | - |

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 |
|-------------------------------|------|--|--|
| Glycerol 56-81-5 | - | - | 56 mg/m³ [5] [6] |
| Dimethly Sulfoxide 67-68-5 | - | 200 mg/kg bw/day [4] [6] | 484 mg/m ³ [4] [6] 265 mg/m ³ [5] [6] |
| Trade Secret | - | 14.36 mg/kg bw/day [4] [6] 86.14 mg/kg bw/day [4] [7] | 1265.65 mg/m ³ [4] [6] 1265.65 mg/m ³ [4] [7] |

Notes

| Systemic health effects. |
|--------------------------|
| Local health effects. |
| Long term. |
| Short term. |
| |

Derived No Effect Level (DNEL) - General Public

| Chemical name | Oral | Dermal | Inhalation |
|-------------------------------|--|--|--|
| Glycerol 56-81-5 | 229 mg/kg bw/day [4] [6] | - | 33 mg/m³ [5] [6] |
| Dimethly Sulfoxide 67-68-5 | 60 mg/kg bw/day [4] [6] | - | 120 mg/m³ [4] [6] 47 mg/m³ [5] [6] |
| Trade Secret | 7 mg/kg bw/day [4] [6] | - | - |
| Trade Secret | 6 mg/kg bw/day [4] [6] 43.07 mg/kg bw/day [4] [7] | 43.07 mg/kg bw/day [4] [6] 43.07 mg/kg bw/day [4] [7] | 624.2 mg/m ³ [4] [6] 624.2 mg/m ³ [4] [7] |

Notes [4]

Systemic health effects.

| [5] | Local health effects. |
|-----|-----------------------|
| [6] | Long term. |
| [7] | Short term. |
| | |

Predicted No Effect Concentration (PNEC)

| Chemical name | Freshwater | Freshwater (intermittent release) | Marine water | Marine water (intermittent release) | Air |
|-------------------------------|------------|--------------------------------------|--------------|--|-----|
| Glycerol 56-81-5 | 0.885 mg/L | 8.85 mg/L | 0.0885 mg/L | - | - |
| Dimethly Sulfoxide 67-68-5 | 17 mg/L | - | 1.7 mg/L | - | - |
| Trade Secret | 3.21 mg/L | 5.48 mg/L | 0.32 mg/L | - | - |
| Trade Secret | 0.46 mg/L | - | 0.046 mg/L | - | - |

| Chemical name | Freshwater sediment | Marine sediment | Sewage treatment | Soil | Food chain |
|-------------------------------|------------------------------|-------------------------------|------------------|--------------------------|---------------|
| Glycerol 56-81-5 | 3.3 mg/kg sediment dw | 0.33 mg/kg sediment dw | 1000 mg/L | 0.141 mg/kg soil dw | - |
| Dimethly Sulfoxide 67-68-5 | 13.4 mg/kg sediment dw | - | 11 mg/L | 3.02 mg/kg soil dw | 0.7 g/kg food |
| Trade Secret | 288.9 mg/kg sediment dw | 28.89 mg/kg sediment dw | 90 mg/L | 662.77 mg/kg soil dw | - |
| Trade Secret | 0.00185 mg/kg sediment dw | 0.000185 mg/kg sediment dw | 0.862 g/L | 0.00185 mg/kg soil dw | - |

8.2. Exposure controls

| Engineering controls | No information available. | |
|--|--|--|
| Individual protection measures, such as personal protective equipment Eye/face protection | No special protective equipment required. | |
| Skin and body protection | No special protective equipment required. | |
| 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 | Handle in accordance with good industrial hygiene and safety practice. | |
| Environmental exposure controls | No information available. | |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical propertiesPhysical stateLiquid

| Appearance Color Odor Odor threshold | Colorless No information available None. No information available | |
|---|--|------------------|
| Property_ | <u>Values</u> | Remarks • Method |
| Melting point / freezing point | No data available | None known |
| Initial boiling point and boiling rang | | None known |
| Flammability (solid, gas) | No data available | None known |
| Flammability Limit in Air | | None known |
| Upper flammability or explosive | No data available | |
| limits | | |
| Lower flammability or explosive | No data available | |
| limits | | |
| Flash point | No data available | None known |
| Autoignition temperature | 215 °C | None known |
| Decomposition temperature | 6.0 | None known |
| pH | 6.2 | |
| pH (as aqueous solution) | No data available | None known |
| Kinematic viscosity | No data available | None known |
| Dynamic viscosity | No data available | None known |
| Water solubility | No data available | None known |
| Solubility(ies) | No data available | None known |
| Partition coefficient | No data available | None known |
| Vapor pressure | No data available | None known |
| Relative density | No data available | None known |
| Bulk density | No data available | |
| Liquid Density | No data available | N |
| Vapor density | No data available | None known |
| Particle characteristics | | |
| Particle Size | No information available | |
| Particle Size Distribution | 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 None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

SECTION 11: Toxicological information

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

Information on likely routes of exposure

Product Information

Inhalation
Specific test data for the substance or mixture is not available.

Eye contact
Specific test data for the substance or mixture is not available.

Skin contact
Specific test data for the substance or mixture is not available.

Ingestion
Specific test data for the substance or mixture is not available.
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Symptoms related to the physical, chemical and toxicological characteristics

Symptoms

No information available.

Acute toxicity

Numerical measures of toxicity

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

| ATEmix (oral) | 34,822.90 | mg/kg |
|-------------------------------|-----------|-------|
| ATEmix (dermal) | 63,411.50 | mg/kg |
| ATEmix (inhalation-gas) | 99,999.00 | ppm |
| ATEmix (inhalation-vapor) | 99,999.00 | mg/l |
| ATEmix (inhalation-dust/mist) | 99,999.00 | mg/l |

Component Information

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--------------------|---------------------|-----------------------|----------------------|
| Dimethly Sulfoxide | = 28300 mg/kg (Rat) | = 40000 mg/kg (Rat) | > 5.33 mg/L (Rat)4 h |
| Calcium Chloride | = 1000 mg/kg (Rat) | > 5000 mg/kg (Rabbit) | - |

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

| Skin corrosion/irritation | No information available. |
|-----------------------------------|---------------------------|
| Serious eye damage/eye irritation | No information available. |
| Respiratory or skin sensitization | No information available. |

| Germ cell mutagenicity | No information available. |
|-----------------------------------|---------------------------|
| Carcinogenicity | 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 hazard | <u>S</u> |
| 11.2.1. Endocrine disrupting prop | erties |
| 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 |
|--------------------|----------------------|--|-------------------------------|--|
| Dimethly Sulfoxide | - | LC50: =34000mg/L (96h, Pimephales promelas) LC50: 33 - 37g/L (96h, Oncorhynchus mykiss) LC50: >40g/L (96h, Lepomis macrochirus) LC50: =41.7g/L (96h, Cyprinus carpio) | - | - |
| Calcium Chloride | - | LC50: =10650mg/L (96h, Lepomis macrochirus) | - | LC50: 2280000 - 3948000µg/L (48h, Daphnia magna) |

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation

Component Information

| Chemical name | Partition coefficient |
|--------------------|-----------------------|
| Dimethly Sulfoxide | -1.35 |

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 |
|--------------------|---------------------------------|
| Dimethly Sulfoxide | The substance is not PBT / vPvB |
| Calcium Chloride | 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

| Waste from residues/unused products | Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation. |
|--|---|
| Contaminated packaging | Do not reuse empty containers. |

SECTION 14: Transport information

<u>IATA</u>

| 14.1 | UN number or ID number | Not regulated | |
|----------------------|---|--------------------------------|--|
| 14.2 | Extended Proper Shipping | Not regulated | |
| Name | 9 | | |
| 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 | | |
| S | Special Provisions None | | |
| | | | |
| IMDO | <u>i</u> | | |
| 14.1 | UN number or ID number | Not regulated | |
| 14.2 | Extended Proper Shipping | Not regulated | |
| | | | |
| Name | 9 | 5 | |
| | e Transport hazard class(es) | Not regulated | |
| | | Not regulated Not regulated | |
| 14.3 14.4 | Transport hazard class(es) | | |
| 14.3 14.4 14.5 | Transport hazard class(es) Packing group | Not regulated | |

| Special Provisions 14.7 Maritime transport in bulk according to IMO instruments | None No information available |
|---|----------------------------------|
| <u>RID</u> 14.1 UN/ID No | Not requisted |
| | Not regulated |
| 14.2 Extended Proper Shipping Name | 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 |
| ADR | |
| 14.1 UN number or ID number | Not regulated |
| 14.2 UN proper shipping name | 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 National regulations

France

Occupational Illnesses (R-463-3, France)

| Chemical name | French RG number |
|------------------------------|------------------------------------|
| Dimethly Sulfoxide - 67-68-5 | RG 84 |
| | RG 5,RG 14,RG 15,RG 15bis,RG 20bis |

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 |
|-------------------------------|--|---|
| Dimethly Sulfoxide - 67-68-5 | 75. | - |
| Calcium Chloride - 10043-52-4 | 75. | - |

Persistent Organic Pollutants

Not applicable Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable

International Inventories TSCA DSL/NDSL EINECS/ELINCS

Contact supplier for inventory compliance status Contact supplier for inventory compliance status Contact supplier for inventory compliance status

| ENCS | Contact supplier for inventory compliance status |
|-------|--|
| IECSC | Contact supplier for inventory compliance status |
| KECL | Contact supplier for inventory compliance status |
| PICCS | Contact supplier for inventory compliance status |
| AIIC | Contact supplier for inventory compliance status |
| NZIOC | Contact supplier for inventory compliance status |

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

NZIOC - 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 H-Statements referred to under section 3

H319 - Causes serious eye irritation **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 |
|---------|-----------------------------|------|------------------|
| Ceiling | Maximum limit value | * | 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) EPA (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) 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

Term Exposure Limit)

| Prepared by | Environmental, Health and Safety |
|---------------|--|
| Revision note | SDS is valid 3 years from revision date. Contact info@neb.com for latest revision. |
| Revision date | 06-May-2023 |

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