

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   | M0437  |  |
| Product name   | T4 RNA Ligase I (ssRNA Ligase), High Concentration |  |
| 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   | No information available                           |  |
| 1.3. Details of the supplier of the safety data sheet                                  |  |  |
| Supplier Address<br>New England BioLabs<br>240 County Road<br>Ipswich, MA 01938<br>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 of  | or mixture  |  |
|--|---|--|
| Regulation (EC) No 1272/2008   |   |  |
|  | ous according to regulation (EC) 1272/2008 [CLP]                            |  |
| 2.2. Label elements  |   |  |
| This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]                 |   |  |
| Hazard statements<br>This mixture is classified as not hazard<br>EUH210 - Safety data sheet available of | lous according to regulation (EC) 1272/2008 [CLP]<br>on request             |  |
| Unknown aquatic toxicity   | Contains 0 % of components with unknown hazards to the aquatic environment. |  |
| <b><u>2.3. Other hazards</u></b><br>No information available.  |   |  |
| Endocrine Disruptor Information  | This product does not contain any known or suspected endocrine disruptors.  |  |

# **SECTION 3: Composition/information on ingredients**

# 3.1SubstancesNot applicable3.2Mixtures

The product contains no substances which at their given concentration, are considered to be hazardous to health

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

Acute Toxicity Estimate No information available

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 measures**

#### 4.1. Description of first aid measures

| 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 and effects, both acute and delayed |  |  |

Symptoms No information available.

Effects of Exposure

No information available.

4.3. Indication of any immediate medical attention and special treatment neededNote to physiciansTreat 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 | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. |
|----------------------------------|---|
| precautions for fire-fighters    | 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 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   | Ensure adequate ventilation.   |  |  |
|---|--|--|--|
| General hygiene considerations                                    | Handle in accordance with good industrial hygiene and safety practice. |  |  |
| 7.2. Conditions for safe storage, including any incompatibilities |  |  |  |
| Storage Conditions  | Keep container tightly closed in a dry and well-ventilated place.      |  |  |
| Storage class (TRGS 510)<br>7.3. Specific end use(s)              | Storage class 10.  |  |  |
| 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                         | This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies. |
|---|---|
| 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<br>56-81-5                         | -    | -  | 56 mg/m³ [5] [6]                         |
| Potassium Chloride<br>7447-40-7             | -    | 303 mg/kg bw/day [4] [6]<br>910 mg/kg bw/day [4] [7] | 1064 mg/m³ [4] [6]<br>5320 mg/m³ [4] [7] |
| Tris-HCI<br>1185-53-1                       | -    | 216.6 mg/kg bw/day [4] [6]                           | 152.8 mg/m³ [4] [6]                      |
| Ethylenediamine tetraacetic acid<br>60-00-4 | -    | -  | 1.5 mg/m³ [5] [6]<br>3 mg/m³ [5] [7]     |

#### Notes

| [4] | Systemic health effects. |
|-----|--------------------------|
| [5] | Local health effects.    |
| [6] | Long term.               |
| [7] | Short term.              |

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

| Chemical name                               | Oral  | Dermal   | Inhalation                              |
|---|---|--|---|
| Glycerol<br>56-81-5                         | 229 mg/kg bw/day [4] [6]                            | -  | 33 mg/m³ [5] [6]                        |
| Potassium Chloride<br>7447-40-7             | 91 mg/kg bw/day [4] [6]<br>455 mg/kg bw/day [4] [7] | 910 mg/kg bw/day [4] [6]<br>910 mg/kg bw/day [4] [7] | 273 mg/m³ [4] [6]<br>1365 mg/m³ [4] [7] |
| Tris-HCI<br>1185-53-1                       | 10.8 mg/kg bw/day [4] [6]                           | -  | 37.7 mg/m <sup>3</sup> [4] [6]          |
| Ethylenediamine tetraacetic acid<br>60-00-4 | 25 mg/kg bw/day [4] [6]                             | -  | 0.6 mg/m³ [5] [6]<br>1.2 mg/m³ [5] [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<br>(intermittent release) | Marine water | Marine water<br>(intermittent release) | Air |
|--|------------|--------------------------------------|--------------|--|-----|
| Glycerol<br>56-81-5                            | 0.885 mg/L | 8.85 mg/L                            | 0.0885 mg/L  | -                                      | -   |
| Potassium Chloride<br>7447-40-7                | 0.1 mg/L   | 1 mg/L                               | 0.1 mg/L     | -                                      | -   |
| Ethylenediamine<br>tetraacetic acid<br>60-00-4 | 2.2 mg/L   | 1.2 mg/L                             | 0.22 mg/L    | -                                      | -   |

| Chemical name                                  | Freshwater<br>sediment   | Marine sediment        | Sewage treatment | Soil                | Food chain |
|--|--------------------------|------------------------|------------------|---------------------|------------|
| Glycerol<br>56-81-5                            | 3.3 mg/kg sediment<br>dw | 0.33 mg/kg sediment dw | 1000 mg/L        | 0.141 mg/kg soil dw | -          |
| Potassium Chloride<br>7447-40-7                | -                        | -                      | 10 mg/L          | -                   | -          |
| Ethylenediamine<br>tetraacetic acid<br>60-00-4 | -                        | -                      | 43 mg/L          | 0.72 mg/kg soil dw  | -          |

#### 8.2. Exposure controls

| Engineering controls   | No information available.  |  |
|--|--|--|
| Individual protection measures,<br>such as personal protective<br>equipment<br>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 a   | nd 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 rang | eNo data available       | 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               | 392.78 °C                |                  |
| Decomposition temperature              |                          | None known       |
| рН                                     | No data available        | None known       |
| 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        |                  |
| 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 avoidNone known based on information supplied.Conditions to avoidNone known based on information supplied.10.5. Incompatible materialsNone known based on information supplied.

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

| 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. |

#### 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)                 | 25,200.00 | mg/kg |
|-------------------------------|-----------|-------|
| ATEmix (dermal)               | 20,000.00 | 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  |

#### 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.   |
| Carcinogenicity  |   |
| 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  | perties   |
| Endocrine disrupting properties  | No information available.   |
| 11.2.2. Other information  |   |
|  |   |
| Other adverse effects  | No information available.   |
| Other adverse effects SECTION 12: Ecological in  |   |
|  |   |
| SECTION 12: Ecological in  |   |
| SECTION 12: Ecological in 12.1. Toxicity   |   |
| SECTION 12: Ecological in<br>12.1. Toxicity<br>Ecotoxicity   | nformation<br>Contains 0 % of components with unknown hazards to the aquatic environment.   |
| SECTION 12: Ecological in<br>12.1. Toxicity<br>Ecotoxicity<br>Unknown aquatic toxicity   | nformation<br>Contains 0 % of components with unknown hazards to the aquatic environment.   |
| SECTION 12: Ecological in<br>12.1. Toxicity<br>Ecotoxicity<br>Unknown aquatic toxicity<br>12.2. Persistence and degradability  | nformation Contains 0 % of components with unknown hazards to the aquatic environment.  |
| SECTION 12: Ecological in<br>12.1. Toxicity<br>Ecotoxicity<br>Unknown aquatic toxicity<br>12.2. Persistence and degradability<br>Persistence and degradability   | nformation Contains 0 % of components with unknown hazards to the aquatic environment.  |
| SECTION 12: Ecological in<br>12.1. Toxicity<br>Ecotoxicity<br>Unknown aquatic toxicity<br>12.2. Persistence and degradability<br>Persistence and degradability<br>12.3. Bioaccumulative potential  | nformation Contains 0 % of components with unknown hazards to the aquatic environment.  |
| SECTION 12: Ecological in<br>12.1. Toxicity<br>Ecotoxicity<br>Unknown aquatic toxicity<br>12.2. Persistence and degradability<br>Persistence and degradability<br>12.3. Bioaccumulative potential<br>Bioaccumulation   | nformation Contains 0 % of components with unknown hazards to the aquatic environment.  |
| SECTION 12: Ecological in<br>12.1. Toxicity<br>Ecotoxicity<br>Unknown aquatic toxicity<br>12.2. Persistence and degradability<br>Persistence and degradability<br>12.3. Bioaccumulative potential<br>Bioaccumulation<br>12.4. Mobility in soil                     | nformation Contains 0 % of components with unknown hazards to the aquatic environment.  No information available. No information available. |
| SECTION 12: Ecological in<br>12.1. Toxicity<br>Ecotoxicity<br>Unknown aquatic toxicity<br>12.2. Persistence and degradability<br>Persistence and degradability<br>12.3. Bioaccumulative potential<br>Bioaccumulation<br>12.4. Mobility in soil<br>Mobility in soil | nformation Contains 0 % of components with unknown hazards to the aquatic environment.  No information available. No information available. |

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<br>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   | · · · · · · · · · · · · · · · · · · ·   | Not regulated   |
| Name   | -   |   |
|  | Transport hazard class(es)  | Not regulated   |
| 14.4   | 33.1  | Not regulated   |
|  | Environmental hazard  | Not applicable  |
| 14.6   |   | News  |
| S  | pecial Provisions   | None  |
| IMDG   |   |   |
|  | <br>UN number or ID number  | Not regulated   |
|  | Extended Proper Shipping  | Not regulated   |
| Name   |   | C   |
| 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  | pecial Provisions   | None  |
| S<br>14.7  | pecial Provisions<br>Maritime transport in bulk   | None<br>No information available  |
| S<br>14.7  | pecial Provisions   |   |
| S<br>14.7<br>acco  | pecial Provisions<br>Maritime transport in bulk   |   |
| S<br>14.7<br>accor<br><u>RID</u>   | pecial Provisions<br>Maritime transport in bulk<br>rding to IMO instruments   | No information available  |
| S<br>14.7<br>accor<br><u>RID</u><br>14.1   | pecial Provisions<br>Maritime transport in bulk<br>rding to IMO instruments<br>UN/ID No   | No information available<br>Not regulated   |
| S<br>14.7<br>accor<br><u>RID</u>   | pecial Provisions<br>Maritime transport in bulk<br>rding to IMO instruments<br>UN/ID No<br>Extended Proper Shipping   | No information available  |
| S<br>14.7<br>accor<br><u>RID</u><br>14.1<br>14.2   | pecial Provisions<br>Maritime transport in bulk<br>rding to IMO instruments<br>UN/ID No<br>Extended Proper Shipping   | No information available<br>Not regulated   |
| S<br>14.7<br>accor<br><u>RID</u><br>14.1<br>14.2<br>Name<br>14.3                                       | pecial Provisions<br>Maritime transport in bulk<br>rding to IMO instruments<br>UN/ID No<br>Extended Proper Shipping<br>Transport hazard class(es)   | No information available<br>Not regulated<br>Not regulated  |
| S<br>14.7<br>accor<br><u>RID</u><br>14.1<br>14.2<br>Name<br>14.3<br>14.4                               | pecial Provisions<br>Maritime transport in bulk<br>rding to IMO instruments<br>UN/ID No<br>Extended Proper Shipping   | No information available<br>Not regulated<br>Not regulated<br>Not regulated   |
| S<br>14.7<br>accol<br>14.1<br>14.2<br>Name<br>14.3<br>14.4<br>14.5                                     | pecial Provisions<br>Maritime transport in bulk<br>rding to IMO instruments<br>UN/ID No<br>Extended Proper Shipping<br>Transport hazard class(es)<br>Packing group  | No information available<br>Not regulated<br>Not regulated<br>Not regulated<br>Not regulated  |
| S<br>14.7<br>accoo<br><u>RID</u><br>14.1<br>14.2<br>Name<br>14.3<br>14.4<br>14.5<br>14.6               | pecial Provisions<br>Maritime transport in bulk<br>rding to IMO instruments<br>UN/ID No<br>Extended Proper Shipping<br>Transport hazard class(es)<br>Packing group<br>Environmental hazard  | No information available<br>Not regulated<br>Not regulated<br>Not regulated<br>Not regulated  |
| S<br>14.7<br>accol<br>14.7<br>14.1<br>14.2<br>Name<br>14.3<br>14.4<br>14.5<br>14.6<br>S                | pecial Provisions<br>Maritime transport in bulk<br>rding to IMO instruments<br>UN/ID No<br>Extended Proper Shipping<br>Transport hazard class(es)<br>Packing group<br>Environmental hazard<br>Special precautions for user<br>pecial Provisions | No information available<br>Not regulated<br>Not regulated<br>Not regulated<br>Not regulated<br>Not applicable                          |
| S<br>14.7<br>accol<br>14.7<br>14.1<br>14.2<br>Name<br>14.3<br>14.4<br>14.5<br>14.6<br>S<br>ADR         | pecial Provisions<br>Maritime transport in bulk<br>rding to IMO instruments<br>UN/ID No<br>Extended Proper Shipping<br>Transport hazard class(es)<br>Packing group<br>Environmental hazard<br>Special precautions for user<br>pecial Provisions | No information available<br>Not regulated<br>Not regulated<br>Not regulated<br>Not regulated<br>Not applicable<br>None                  |
| S<br>14.7<br>accol<br>14.7<br>14.1<br>14.2<br>Name<br>14.3<br>14.4<br>14.5<br>14.6<br>S<br>ADR<br>14.1 | pecial Provisions<br>Maritime transport in bulk<br>rding to IMO instruments<br>UN/ID No<br>Extended Proper Shipping<br>Transport hazard class(es)<br>Packing group<br>Environmental hazard<br>Special precautions for user<br>pecial Provisions | No information available<br>Not regulated<br>Not regulated<br>Not regulated<br>Not regulated<br>Not applicable<br>None<br>Not regulated |
| S<br>14.7<br>accol<br>14.7<br>14.1<br>14.2<br>Name<br>14.3<br>14.4<br>14.5<br>14.6<br>S<br>ADR         | pecial Provisions<br>Maritime transport in bulk<br>rding to IMO instruments<br>UN/ID No<br>Extended Proper Shipping<br>Transport hazard class(es)<br>Packing group<br>Environmental hazard<br>Special precautions for user<br>pecial Provisions | No information available<br>Not regulated<br>Not regulated<br>Not regulated<br>Not regulated<br>Not applicable<br>None                  |

|                    | Packing group<br>Environmental hazard | Not regulated<br>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 does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

#### **Persistent Organic Pollutants**

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

#### International Inventories

| TSCA          | Contact supplier for inventory compliance status |
|---------------|--|
| DSL/NDSL      | Contact supplier for inventory compliance status |
| EINECS/ELINCS | 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

 NZIeC
 Now Zaaland Inventory of Chemicals

**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

#### Legend

SVHC: Substances of Very High Concern for Authorization:

| Legend Section<br>TWA<br>Ceiling<br>+  | 8: EXPOSURE CC<br>TWA (time-weigh<br>Maximum limit va<br>Sensitizers |                          | ROTECTION<br>STEL<br>* | STEL (Short Term Exposure Limit)<br>Skin designation |
|--|--|--------------------------|------------------------|--|
| Key literature references and sources for data used to compile the SDSAgency for Toxic Substances and Disease Registry (ATSDR)U.S. Environmental Protection Agency ChemView DatabaseEuropean Food Safety Authority (EFSA)Buropean Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)European Chemicals Agency (ECHA) (ECHA_PR)PA (Environmental Protection Agency)Acute Exposure Guideline Level(s) (AEGL(s))U.S. Environmental Protection Agency High Production Volume ChemicalsFood Research JournalMazardous Substance DatabaseInternational Uniform Chemical Information Database (IUCLID)National Institute of Technology and Evaluation (NITE)Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)NOSH (National Institute of Ocenpational Safety and Health)National Library of Medicine's ChemID Plus (NIM CPI)National Library of Medicine's ChemID Plus (NIM CPI)National Library of Medicine's Cooperation and Development Environment, Health, and Safety PublicationsOrganization for Economic Co-operation and Development Environment, Health, and Safety PublicationsOrganization for Economic Co-operation and Development Environment, Health, and Safety PublicationsOrganization for Economic Co-operation and Development Environment, Health, and Safety PublicationsOrganization for Economic Co-operation and Development Environment, Health, and Safety PublicationsOrganization for Economic Co-operation and Development Environment, Health, and Safety PublicationsOrganization for Economic Co-operation and Development Environment, Health, and Safety PublicationsOrganization |  |                          |                        |  |
| Prepared by<br>Revision note   |  |                          | •                      | tact info@neb.com for latest revision.               |
| IVENISION HOLE   |  | SEC IS VAILUS YEARS ITUR | in revision date. Con  | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1             |

Revision date 06-May-2023

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

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