

### SECTION 1: Identification

#### 1.1 Product identifier

Trade name : Neogen® Campylobacter Enrichment Broth  
Product form : Mixture  
Type of product : Food Safety -- [Food Safety]  
Product code : CE250

#### 1.2 Other means of identification

Part Number(s) : CE250|700002285

#### 1.3 Recommended use of the chemical and restrictions on use

Recommended use : Laboratory chemicals  
Scientific research and development

#### 1.4 Details of manufacturer or importer

##### Supplier

Neogen Corporation  
620 Leshler Place  
Lansing Michigan 48912  
United States of America  
T 800.234.5333  
[sds@neogen.com](mailto:sds@neogen.com) - <https://www.neogen.com/>

##### Importer

Neogen Australasia Pty Ltd  
ALLIOTT NZ LTD (CHARTERED ACCOUNTANTS) Level 2  
142 Boradway  
New Market  
Auckland 1023  
New Zealand  
T 0800 449 129  
[naa@neogen.com](mailto:naa@neogen.com) - <https://www.neogen.com/>

#### 1.5. Emergency phone number

Emergency number : 24 hours:  
Medical: 1-800-498-5743 (U.S. and Canada) or 1-651-523-0318 (international)  
Spill/CHEMTREC: 1-800-424-9300 (U.S. and Canada) or 1-703-527-3887 (international)

| Country/Area | Organisation             | Emergency number           |
|--------------|--------------------------|----------------------------|
| New Zealand  | National Poisons Centre. | 0800 764 766 (0800 POISON) |

### SECTION 2: Hazard identification

#### 2.1. Classification of the hazardous chemical

##### Classification according to the Environmental Protection Authority notices (EPA Hazardous Substances and New Organisms Act 1996)

Acute toxicity (inhalation:dust,mist) Category 4 H332  
Serious eye damage/eye irritation, Category 1 H318  
Skin sensitisation, Category 1 H317

#### 2.2. GHS Label elements, including precautionary statements

##### GHS NZ labelling

Hazard pictograms (GHS NZ) :



Signal word (GHS NZ) : Danger  
Contains : 2-Oxoglutaric acid ;  $\alpha$ -Ketoglutaric acid (< 100 %); Sodium carbonate (< 100 %); Sodium metabisulfite (< 100 %); Sodium pyruvate (< 100 %); Iron(II) sulfate heptahydrate (< 100 %)

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|                            |  |
|----------------------------|--|
| Hazard statements (GHS NZ) | : H317 - May cause an allergic skin reaction<br>H318 - Causes serious eye damage<br>H332 - Harmful if inhaled  |
| Prevention                 | : P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.<br>P271 - Use only outdoors or in a well-ventilated area.<br>P272 - Contaminated work clothing should not be allowed out of the workplace.<br>P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  |
| Response                   | : P302+P352 - IF ON SKIN: Wash with plenty of water.<br>P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.<br>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P310 - Immediately call a POISON CENTER or doctor.<br>P321 - Specific treatment (see supplemental first aid instruction on this label).<br>P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.<br>P362+P364 - Take off contaminated clothing and wash it before reuse. |
| Disposal                   | : P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.   |

### 2.3. Other hazards which do not result in classification

No additional information available

## SECTION 3: Composition and information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name   | Product identifier | %     | Classification according to GHS NZ                                       |
|--|--------------------|-------|--|
| 2-Oxoglutaric acid ; $\alpha$ -Ketoglutaric acid | CAS-No.: 328-50-7  | < 100 | Eye Dam. 1, H318<br>Aquatic Chronic 3, H412                              |
| Sodium carbonate                                 | CAS-No.: 497-19-8  | < 100 | Acute Tox. 4 (Inhalation:dust,mist), H332<br>Eye Dam. 1, H318            |
| Sodium metabisulfite                             | CAS-No.: 7681-57-4 | < 100 | Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318<br>Aquatic Chronic 3, H412 |
| Sodium pyruvate                                  | CAS-No.: 113-24-6  | < 100 | Eye Irrit. 2, H319<br>Skin Sens. 1B, H317<br>Aquatic Chronic 2, H411     |

## SECTION 4: First-aid measures

### 4.1. Description of necessary first-aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : Call a poison center or a doctor if you feel unwell.   |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.                                |
| First-aid measures after skin contact | : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.                   |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately. |
| First-aid measures after ingestion    | : Call a poison center or a doctor if you feel unwell.   |
| Self protection of the first-aiders   | : First aid workers will be equipped with suitable personal protective equipment.  |

### 4.2. Symptoms caused by exposure

|                                   |                       |
|-----------------------------------|-----------------------|
| Symptoms/effects after inhalation | : Harmful if inhaled. |
|-----------------------------------|-----------------------|

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|                                     |  |
|-------------------------------------|--|
| Symptoms/effects after skin contact | : May cause an allergic skin reaction. |
| Symptoms/effects after eye contact  | : Serious damage to eyes.              |
| Symptoms/effects after ingestion    | : None under normal conditions.        |

### 4.3. Medical attention and special treatment

|                                   |                          |
|-----------------------------------|--------------------------|
| Other medical advice or treatment | : Treat symptomatically. |
|-----------------------------------|--------------------------|

## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

|                                |                                    |
|--------------------------------|------------------------------------|
| Suitable extinguishing media   | : Water spray. Dry powder. Foam.   |
| Unsuitable extinguishing media | : Do not use a heavy water stream. |

### 5.2. Specific hazards arising from the chemical

|  |   |
|--|---|
| Fire hazard                                      | : No fire hazard.   |
| Explosion hazard                                 | : No direct explosion hazard.   |
| General measures                                 | : Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage. |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released.  |

### 5.3. Special protective equipment and precautions for fire-fighters

|                                |   |
|--------------------------------|---|
| Firefighting instructions      | : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.              |

## SECTION 6: Accidental release measures

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

|                  |   |
|------------------|---|
| General measures | : Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage. |
|------------------|---|

#### 6.1.1. For non-emergency personnel

|                      |  |
|----------------------|--|
| Protective equipment | : Wear recommended personal protective equipment.  |
| Emergency procedures | : Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. |

#### 6.1.2. For emergency responders

|                      |   |
|----------------------|---|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
| Emergency procedures | : Evacuate unnecessary personnel.   |

### 6.2. Environmental precautions

Avoid release to the environment.

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

|                         |   |
|-------------------------|---|
| For containment         | : Using a clean shovel, put the material in a dry container and cover without compressing it. |
| Methods for cleaning up | : Mechanically recover the product.   |

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

|                               |   |
|-------------------------------|---|
| Precautions for safe handling | : Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Wear personal protective equipment. |
|-------------------------------|---|

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Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Technical measures : Keep in a cool, well-ventilated place away from heat.  
Storage conditions : Keep cool. Protect from sunlight.  
Packaging materials : Always store product in container of same material as original container.

## SECTION 8: Exposure controls and personal protection

### 8.1. Control parameters - exposure standards

| Sodium metabisulfite (7681-57-4)           |  |
|--|--|
| New Zealand - Occupational Exposure Limits |  |
| Local name                                 | Sodium disulphite  |
| WES-TWA (OEL TWA)                          | 5 mg/m <sup>3</sup>  |
| Regulatory reference                       | Workplace Exposure Standards and Biological Exposure Indices, 15th Edition |

#### Exposure limit values for the other components

No additional information available

### 8.2. Monitoring methods

No additional information available

### 8.3. Engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

### 8.4. Individual protection measures, such as personal protective equipment (PPE)

Personal protective equipment : Wear recommended personal protective equipment.  
Hand protection : Protective gloves  
Eye protection : Safety glasses  
Skin and body protection : Wear suitable protective clothing  
Respiratory protection : [In case of inadequate ventilation] wear respiratory protection.

#### Personal protective equipment symbol(s)



Environmental exposure controls : Avoid release to the environment.

## SECTION 9: Physical and chemical properties

Physical state : Solid  
Appearance : Powder.  
Colour : Light brown  
Odour : Characteristic Slight  
Odour threshold : No additional information available  
pH : No additional information available  
Evaporation rate : No additional information available  
Melting point / Freezing point : Freezing point: Not applicable  
Boiling point : No data available  
Flash point : Not applicable  
Auto-ignition temperature : Not applicable  
Flammability : Non flammable  
Vapour pressure : No additional information available

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|   |                                       |
|---|---------------------------------------|
| Relative density                                | : No additional information available |
| Density   | : No additional information available |
| Solubility                                      | : No additional information available |
| Partition coefficient n-octanol/water (Log Pow) | : No data available                   |
| Viscosity, kinematic                            | : Not applicable                      |
| Viscosity, dynamic                              | : No data available                   |
| Explosive properties                            | : No data available                   |
| Explosive limits                                | : Not applicable                      |
| Minimum ignition energy                         | : No data available                   |

### SECTION 10: Stability and reactivity

|                                    |  |
|------------------------------------|--|
| Reactivity                         | : The product is non-reactive under normal conditions of use, storage and transport.                   |
| Chemical stability                 | : Stable under normal conditions.  |
| Possibility of hazardous reactions | : No dangerous reactions known under normal conditions of use.   |
| Conditions to avoid                | : None under recommended storage and handling conditions (see section 7).                              |
| Incompatible materials             | : No additional information available  |
| Hazardous decomposition products   | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

### SECTION 11: Toxicological information

#### 11.1. Toxicity

|                             |   |
|-----------------------------|---|
| Acute toxicity (oral)       | : Not classified                            |
| Acute toxicity (dermal)     | : Not classified                            |
| Acute toxicity (inhalation) | : Inhalation:dust,mist: Harmful if inhaled. |

| Neogen® Campylobacter Enrichment Broth                         |  |
|--|--|
| ATE NZ (dust, mist)  | 1.346 mg/l/4h  |
| Unknown acute toxicity (GHS NZ)Unknown acute toxicity (GHS NZ) | 90.09% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)<br>95.57% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)<br>96.18% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist)) |
| 2-Oxoglutaric acid ; α-Ketoglutaric acid (328-50-7)            |  |
| LD50 oral rat  | 5000 – 10000 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral)  |
| Sodium metabisulfite (7681-57-4)                               |  |
| LD50 oral rat  | 1540 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))   |
| LD50 oral  | 1540 mg/kg   |
| LD50 dermal rat  | > 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Read-across, Dermal, 14 day(s))  |
| LD50 dermal  | 2500 mg/kg   |
| LC50 Inhalation - Rat  | > 5.5 mg/l (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Read-across, Inhalation (dust), 14 day(s))   |
| LC50 Inhalation - Rat (Dust/Mist)                              | > 5.5 mg/l Source: ECHA  |
| Sodium carbonate (497-19-8)                                    |  |
| LD50 oral rat  | 2800 mg/kg (Rat, Male / female, Experimental value, Oral, 14 day(s))   |
| LD50 oral  | 2800 mg/kg   |
| LD50 dermal rabbit   | > 2000 mg/kg (16 CFR 1500.40, 24 h, Rabbit, Experimental value, Dermal, 14 day(s))   |
| LD50 dermal  | 2500 mg/kg   |

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| <b>Sodium carbonate (497-19-8)</b>            |  |
|---|--|
| LC50 Inhalation - Rat (Dust/Mist)             | 1.2 mg/l/4h  |
| <b>Sodium pyruvate (113-24-6)</b>             |  |
| LD50 oral                                     | 3533 mg/kg bodyweight (Mouse, Experimental value, Oral)                  |
| LD50 dermal rat                               | > 3000 mg/kg bodyweight (Rat, Male, Experimental value, Intraperitoneal) |
| Skin corrosion/irritation                     | : Not classified   |
| Serious eye damage/irritation                 | : Causes serious eye damage.   |
| Respiratory or skin sensitisation             | : May cause an allergic skin reaction.                                   |
| Germ cell mutagenicity                        | : Not classified   |
| Carcinogenicity                               | : Not classified   |
| Reproductive toxicity                         | : Not classified   |
| STOT-single exposure                          | : Not classified   |
| STOT-repeated exposure                        | : Not classified   |
| Aspiration hazard                             | : Not classified   |
| <b>Neogen® Campylobacter Enrichment Broth</b> |  |
| Viscosity, kinematic                          | Not applicable   |
| <b>Sodium metabisulfite (7681-57-4)</b>       |  |
| Viscosity, kinematic                          | Not applicable (solid)   |
| <b>Sodium carbonate (497-19-8)</b>            |  |
| Viscosity, kinematic                          | Not applicable (solid)   |
| <b>Sodium pyruvate (113-24-6)</b>             |  |
| Viscosity, kinematic                          | Not applicable (solid)   |

## SECTION 12: Ecological information

### 12.1. Ecotoxicity

|   |   |
|---|---|
| Ecology - general   | : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified.   |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified.   |
| Soil toxicity   | : Not classified  |
| Terrestrial vertebrate toxicity                           | : Not classified  |
| Terrestrial invertebrate toxicity                         | : Not classified  |

| <b>2-Oxoglutaric acid ; <math>\alpha</math>-Ketoglutaric acid (328-50-7)</b> |  |
|--|--|
| LC50 - Fish [1]  | 236000 mg/l Source: Ecological Structure Activity Relationships  |
| EC50 - Crustacea [1]   | 70.7 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Semi-static system, Fresh water, Experimental value)      |
| EC50 - Crustacea [2]   | > 100 mg/l Test organisms (species): Daphnia magna   |
| EC50 72h - Algae [1]   | 59.3 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)  |
| EC50 72h - Algae [2]   | > 102 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |
| Partition coefficient n-octanol/water (Log Pow)                              | -2.08 (25 °C)  |
| LD50 oral rat  | 5000 – 10000 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral)                            |

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| <b>Sodium metabisulfite (7681-57-4)</b>         |   |
|---|---|
| LC50 - Fish [1]                                 | 316 mg/l (DIN 38412-15, 96 h, <i>Leuciscus idus</i> , Static system, Fresh water, Read-across, Nominal concentration) |
| EC50 72h - Algae [1]                            | 43.8 mg/l Test organisms (species): <i>Desmodesmus subspicatus</i> (previous name: <i>Scenedesmus subspicatus</i> )   |
| NOEC (chronic)                                  | > 10 mg/l Test organisms (species): <i>Daphnia magna</i> Duration: '21 d'   |
| NOEC chronic fish                               | ≥ 316 mg/l Test organisms (species): <i>Danio rerio</i> (previous name: <i>Brachydanio rerio</i> ) Duration: '34 d'   |
| Partition coefficient n-octanol/water (Log Pow) | -3.7 Source: ICSC   |
| LD50 dermal rat                                 | > 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Read-across, Dermal, 14 day(s))   |
| LD50 oral rat                                   | 1540 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))    |

| <b>Sodium carbonate (497-19-8)</b>              |   |
|---|---|
| LC50 - Fish [1]                                 | 300 mg/l (96 h, <i>Lepomis macrochirus</i> , Static system, Fresh water, Experimental value, Lethal)                  |
| EC50 - Crustacea [1]                            | 200 – 227 mg/l (48 h, <i>Ceriodaphnia</i> sp., Semi-static system, Fresh water, Experimental value, Locomotor effect) |
| EC50 - Crustacea [2]                            | 200 – 227 mg/l Test organisms (species): <i>Ceriodaphnia</i> sp.  |
| Partition coefficient n-octanol/water (Log Pow) | -6.19 Source: Quantitative Structure Activity Relation  |
| LD50 dermal rabbit                              | > 2000 mg/kg (16 CFR 1500.40, 24 h, Rabbit, Experimental value, Dermal, 14 day(s))                                    |
| LD50 oral rat                                   | 2800 mg/kg (Rat, Male / female, Experimental value, Oral, 14 day(s))  |

| <b>Sodium pyruvate (113-24-6)</b>               |   |
|---|---|
| LC50 - Fish [1]                                 | > 100 mg/l (96 h, Pisces, QSAR, Nominal concentration)  |
| EC50 - Crustacea [1]                            | > 100 mg/l (OECD 202: <i>Daphnia</i> sp. Acute Immobilisation Test, 48 h, <i>Daphnia magna</i> , Static system, Fresh water, Experimental value, Nominal concentration) |
| EC50 72h - Algae [1]                            | 2.78 mg/l Test organisms (species): <i>Raphidocelis subcapitata</i> (previous names: <i>Pseudokirchneriella subcapitata</i> , <i>Selenastrum capricornutum</i> )        |
| ErC50 algae                                     | > 3 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, <i>Pseudokirchneriella subcapitata</i> , Static system, Fresh water, Experimental value, GLP)                   |
| NOEC (chronic)                                  | 3.95 mg/l Test organisms (species): Duration: '28 d'  |
| Partition coefficient n-octanol/water (Log Pow) | -3.8 (Practical experience/observation, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 20 °C)   |
| LD50 dermal rat                                 | > 3000 mg/kg bodyweight (Rat, Male, Experimental value, Intraperitoneal)  |

## 12.2. Persistence and degradability

| <b>Neogen® Campylobacter Enrichment Broth</b>              |   |
|--|---|
| Persistence and degradability                              | Not rapidly degradable                        |
| <b>2-Oxoglutaric acid ; α-Ketoglutaric acid (328-50-7)</b> |   |
| Persistence and degradability                              | Readily biodegradable in water.               |
| <b>Sodium metabisulfite (7681-57-4)</b>                    |   |
| Persistence and degradability                              | Biodegradability in water: no data available. |
| Chemical oxygen demand (COD)                               | 0.15 g O <sub>2</sub> /g substance            |

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| Sodium carbonate (497-19-8)   |                                   |
|-------------------------------|-----------------------------------|
| Persistence and degradability | Biodegradability: not applicable. |
| Chemical oxygen demand (COD)  | Not applicable (inorganic)        |
| ThOD                          | Not applicable (inorganic)        |
| Sodium pyruvate (113-24-6)    |                                   |
| Persistence and degradability | Readily biodegradable in water.   |

### 12.3. Bioaccumulative potential

| Neogen® Campylobacter Enrichment Broth                      |   |
|---|---|
| Bioaccumulative potential                                   | No additional information available   |
| 2-Oxoglutaric acid ; $\alpha$ -Ketoglutaric acid (328-50-7) |   |
| Partition coefficient n-octanol/water (Log Pow)             | -2.08 (25 °C)   |
| Bioaccumulative potential                                   | Not bioaccumulative.  |
| Sodium metabisulfite (7681-57-4)                            |   |
| Partition coefficient n-octanol/water (Log Pow)             | -3.7 Source: ICSC   |
| Bioaccumulative potential                                   | Not bioaccumulative.  |
| Sodium carbonate (497-19-8)                                 |   |
| Partition coefficient n-octanol/water (Log Pow)             | -6.19 Source: Quantitative Structure Activity Relation  |
| Bioaccumulative potential                                   | Not bioaccumulative.  |
| Sodium pyruvate (113-24-6)                                  |   |
| Partition coefficient n-octanol/water (Log Pow)             | -3.8 (Practical experience/observation, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 20 °C) |
| Bioaccumulative potential                                   | Not bioaccumulative.  |

### 12.4. Mobility in soil

| Neogen® Campylobacter Enrichment Broth                      |   |
|---|---|
| Mobility in soil  | No additional information available   |
| 2-Oxoglutaric acid ; $\alpha$ -Ketoglutaric acid (328-50-7) |   |
| Partition coefficient n-octanol/water (Log Pow)             | -2.08 (25 °C)   |
| Sodium metabisulfite (7681-57-4)                            |   |
| Surface tension   | 70.7 mN/m (20 °C, OECD 115: Surface Tension of Aqueous Solutions)   |
| Partition coefficient n-octanol/water (Log Pow)             | -3.7 Source: ICSC   |
| Ecology - soil  | No (test)data on mobility of the substance available.   |
| Sodium carbonate (497-19-8)                                 |   |
| Surface tension   | No data available in the literature   |
| Partition coefficient n-octanol/water (Log Pow)             | -6.19 Source: Quantitative Structure Activity Relation  |
| Ecology - soil  | Low potential for adsorption in soil.   |
| Sodium pyruvate (113-24-6)                                  |   |
| Surface tension   | No data available in the literature   |
| Partition coefficient n-octanol/water (Log Pow)             | -3.8 (Practical experience/observation, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 20 °C) |

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### Sodium pyruvate (113-24-6)

Ecology - soil

No (test) data on mobility of the substance available.

### 12.5. Other adverse effects

Ozone : Not classified  
Other adverse effects : No additional information available

## SECTION 13: Disposal considerations

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Sewage disposal recommendations : Disposal must be done according to official regulations.  
Product/Packaging disposal recommendations : Comply with applicable regulations for solid waste disposal. Disposal must be done according to official regulations.  
Additional information : Do not re-use empty containers.

## SECTION 14: Transport information

In accordance with IMDG / IATA / UN RTDG

| IMDG                                    | IATA          | UNRTDG        |
|---|---------------|---------------|
| <b>14.1. UN number</b>                  |               |               |
| Not regulated for transport             |               |               |
| <b>14.2. UN Proper Shipping Name</b>    |               |               |
| Not regulated                           | Not regulated | Not regulated |
| <b>14.3. Transport hazard class(es)</b> |               |               |
| Not regulated                           | Not regulated | Not regulated |
| <b>14.4. Packing group</b>              |               |               |
| Not regulated                           | Not regulated | Not regulated |
| <b>14.5. Environmental hazards</b>      |               |               |
| Not regulated                           | Not regulated | Not regulated |
| No supplementary information available  |               |               |

### 14.6. Special precautions for user

#### Transport by road and rail

Not regulated

#### Transport by sea

Not regulated

#### Air transport

Not regulated

### 14.7. Transport in bulk according to IMO instruments

Not applicable

### 14.8. Hazchem or Emergency Action Code

Not applicable

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### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations specific for the product in question

##### 2-Oxoglutaric acid ; $\alpha$ -Ketoglutaric acid (328-50-7)

###### Hazardous Substances and New Organisms Act

|                      |           |
|----------------------|-----------|
| HSNO Approval Number | HSR004237 |
|----------------------|-----------|

##### Sodium metabisulfite (7681-57-4)

###### Hazardous Substances and New Organisms Act

|                      |           |
|----------------------|-----------|
| HSNO Approval Number | HSR001548 |
|----------------------|-----------|

##### Sodium carbonate (497-19-8)

###### Hazardous Substances and New Organisms Act

|                      |           |
|----------------------|-----------|
| HSNO Approval Number | HSR003265 |
|----------------------|-----------|

#### 15.2. Chemical safety assessment

|  |                                     |
|--|-------------------------------------|
| Australian Inventory of Industrial Chemicals (AICIS) | All disclosed substances are listed |
|--|-------------------------------------|

### SECTION 16: Other information

|               |              |
|---------------|--------------|
| Issue date    | : 2/10/2025  |
| Revision date | : 12/12/2025 |
| Supersedes    | : 2/10/2025  |

#### Full text of H-statements

|                                     |   |
|-------------------------------------|---|
| Acute Tox. 4 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4                  |
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral), Category 4                                 |
| Aquatic Chronic 2                   | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |
| Aquatic Chronic 3                   | Hazardous to the aquatic environment – Chronic Hazard, Category 3 |
| Eye Dam. 1                          | Serious eye damage/eye irritation, Category 1                     |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2                     |
| Skin Sens. 1                        | Skin sensitisation, Category 1                                    |
| Skin Sens. 1B                       | Skin sensitisation, category 1B                                   |
| H302                                | Harmful if swallowed  |
| H317                                | May cause an allergic skin reaction                               |
| H318                                | Causes serious eye damage   |
| H319                                | Causes serious eye irritation                                     |
| H332                                | Harmful if inhaled  |
| H411                                | Toxic to aquatic life with long lasting effects                   |
| H412                                | Harmful to aquatic life with long lasting effects                 |

Safety Data Sheet (SDS), New Zealand

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.