

SECTION 1: Identification

1.1. Product identifier

Trade name : Neogen® Salmonella Enrichment Supplement
Name : Neogen Salmonella Enrichment Supplement
Product code : SESUP001

1.2. Other means of identification

Part Number(s) : 700002097|SESUP001

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Laboratory chemicals, Scientific research and development

1.4. Supplier's details

Manufacturer

Neogen Corporation
620 Leshar Place Lansing 48912 Michigan United States of America
T 800.234.5333
sds@neogen.com - <https://www.neogen.com/>

1.5. Emergency telephone 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)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

| | |
|---|------|
| Acute toxicity (oral), Category 4 | H302 |
| Serious eye damage/eye irritation, Category 1 | H318 |
| Skin sensitisation, Category 1 | H317 |
| Germ cell mutagenicity, Category 2 | H341 |
| Reproductive toxicity, Category 1B | H360 |
| Hazardous to the aquatic environment – Chronic Hazard, Category 2 | H411 |

2.2. Label elements

Hazard pictograms (GHS PH) : 

Signal word (GHS PH) : Danger

Contains : Malachite green oxalate; Antibiotic Mixture; Antibiotic Mixture; Antibiotic Mixture

Hazard statements (GHS PH) : H302 - Harmful if swallowed
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H341 - Suspected of causing genetic defects
H360 - May damage fertility or the unborn child
H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (GHS PH) : P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/....

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P301+P317 - IF SWALLOWED: Get medical help.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P305+P354+P338 - IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P317 - Get medical help.
P318 - IF exposed or concerned, get medical advice.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P330 - Rinse mouth.
P333+P317 - If skin irritation or rash occurs: Get medical help.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P391 - Collect spillage.
P405 - Store locked up.
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

No additional information available

SECTION 3: Composition / information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | GHS PH classification |
|--------------------------|--------------------|-------------|---|
| Methicillin, sodium salt | CAS-No.: 132-92-3 | ≥ 75 | Not classified |
| Malachite green oxalate | CAS-No.: 2437-29-8 | ≥ 10 – < 15 | Acute Tox. 3 (Oral), H301 Eye Dam. 1, H318 Repr. 2, H361d Aquatic Acute 1, H400 Aquatic Chronic 1, H410 |
| Antibiotic Mixture | - | ≥ 1 – < 5 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335 |
| Antibiotic Mixture | - | ≥ 1 – < 5 | Acute Tox. 4 (Oral), H302 Repr. 1B, H360D |
| Antibiotic Mixture | - | ≥ 1 – < 5 | Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 Muta. 2, H341 |
| Antibiotic Mixture | - | ≥ 1 – < 5 | Not classified |

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention. 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.

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 : Rinse mouth. 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.

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

| | |
|-------------------------------------|--|
| Symptoms/effects after inhalation | : None under normal conditions. Dust of the product, if present, may cause respiratory irritation after excessive inhalation exposure. |
| Symptoms/effects after skin contact | : May cause an allergic skin reaction. |
| Symptoms/effects after eye contact | : Serious damage to eyes. |
| Symptoms/effects after ingestion | : Harmful if swallowed. |
| Chronic symptoms | : May damage fertility or the unborn child. |

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

| | |
|-----------------------------------|--------------------------|
| 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. Special hazards arising from the substance or mixture

| | |
|------------------|---|
| Fire hazard | : No fire hazard. |
| Explosion hazard | : No direct explosion hazard. |
| Reactivity | : The product is non-reactive under normal conditions of use, storage and transport. |
| General measures | : Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage. |

5.3. Special protective actions 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 | : Only qualified personnel equipped with suitable protective equipment may intervene. Avoid breathing dust/fume/gas/mist/vapours/spray. |

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. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

| | |
|-------------------------|---|
| For containment | : Collect spillage. |
| Methods for cleaning up | : Mechanically recover the product. Notify authorities if product enters sewers or public waters. |

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.
- Hygiene measures : Separate working clothes from town clothes. Launder separately. 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 : Store locked up.
- Storage temperature : 2 – 8 °C
- Packaging materials : Always store product in container of same material as original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

Exposure limit values for the other components

No additional information available

8.2. Monitoring

No additional information available

8.3. Appropriate engineering controls

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

8.4. Personal protective equipment

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):



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Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|---------------------|
| Physical state | : Solid |
| Appearance | : Powder. |
| Colour | : Light green |
| Odour | : Slight |
| Odour threshold | : No data available |
| pH | : No data available |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point | : No data available |
| Freezing point | : Not applicable |
| Boiling point | : No data available |
| Flash point | : Not applicable |
| Auto-ignition temperature | : Not applicable |
| Decomposition temperature | : No data available |
| Flammability | : Non flammable |
| Vapour pressure | : No data available |
| Relative vapour density at 20°C | : No data available |
| Relative density | : No data available |
| Solubility | : Soluble in water. |
| Partition coefficient n-octanol/water (Log Kow) | : No data available |
| Viscosity, kinematic | : Not applicable |
| Explosive limits | : Not applicable |
| Lower explosive limit (LEL) | : No data available |
| Upper explosive limit (UEL) | : No data available |

9.2. Other information

No additional information 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. Acute toxicity

| | |
|-----------------------------|-------------------------|
| Acute toxicity (oral) | : Harmful if swallowed. |
| Acute toxicity (dermal) | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

| Neogen® Salmonella Enrichment Supplement | |
|--|---------------------------|
| ATE PH (oral) | 1987.195 mg/kg bodyweight |
| Malachite green oxalate (2437-29-8) | |
| LD50 oral rat | 275 mg/kg (Rat, Oral) |

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| Malachite green oxalate (2437-29-8) | |
|---|---|
| LD50 dermal rat | > 2000 mg/kg |
| Antibiotic Mixture | |
| LD50 oral rat | 3500 mg/kg bodyweight (Rat, Literature study) |
| Antibiotic Mixture | |
| LD50 oral rat | 1160 mg/kg (Rat, Oral) |
| Antibiotic Mixture | |
| LD50 oral rat | 430 mg/kg (Rat, Oral) |
| 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 | : Suspected of causing genetic defects. |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : May damage fertility or the unborn child. |
| STOT - single exposure | : Not classified |
| Antibiotic Mixture | |
| STOT - single exposure | May cause respiratory irritation. |
| STOT - repeated exposure | : Not classified |
| Aspiration hazard | : Not classified |
| Neogen® Salmonella Enrichment Supplement | |
| Viscosity, kinematic | Not applicable |

SECTION 12: Ecological information

12.1. Ecotoxicity

| | |
|---|--|
| Ecology - general | : Toxic to aquatic life with long lasting effects. |
| Hazardous to the aquatic environment, short-term (acute) | : Not classified. |
| Hazardous to the aquatic environment, long-term (chronic) | : Toxic to aquatic life with long lasting effects. |

| Malachite green oxalate (2437-29-8) | |
|--|--|
| LC50 - Fish [1] | 0.12 mg/l (96 h, Pimephales promelas) |
| EC50 - Crustacea [1] | 0.29 mg/l (48 h, Daphnia magna) |
| ErC50 algae | 1.08 mg/l |
| BCF - Fish [1] | 0.15 mg/l (24 h, Salmo gairdneri, Residues) |
| Partition coefficient n-octanol/water (Log Pow) | 1.15 (Estimated value) |
| Antibiotic Mixture | |
| BCF - Fish [1] | 19.28 l/kg (Estimated value) |
| Partition coefficient n-octanol/water (Log Pow) | 2.45 (Estimated value, KOWWIN) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 2.457 – 2.672 (log Koc, Estimated value) |
| Antibiotic Mixture | |
| LC50 - Fish [1] | 722.335 mg/l Source: Ecological Structure Activity Relationships |
| EC50 96h - Algae [1] | 910.539 mg/l Source: Ecological Structure Activity Relationships |
| Partition coefficient n-octanol/water (Log Pow) | 1.41 |

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| Antibiotic Mixture | |
|----------------------|---|
| LC50 - Fish [1] | > 180 mg/l Source: The ECOTOXicology database |
| EC50 - Crustacea [1] | 363 mg/l (48 h, Daphnia magna) |

12.2. Persistence and degradability

| Neogen® Salmonella Enrichment Supplement | |
|--|------------------------|
| Persistence and degradability | Not rapidly degradable |

| Malachite green oxalate (2437-29-8) | |
|-------------------------------------|-------------------------------------|
| Persistence and degradability | Not readily biodegradable in water. |

| Antibiotic Mixture | |
|-------------------------------|-------------------------------------|
| Persistence and degradability | Not readily biodegradable in water. |

| Antibiotic Mixture | |
|-------------------------------|---|
| Persistence and degradability | Biodegradability in water: no data available. |

| Antibiotic Mixture | |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |

| Methicillin, sodium salt (132-92-3) | |
|-------------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |

| Antibiotic Mixture | |
|-------------------------------|---|
| Persistence and degradability | Biodegradability in water: no data available. |

12.3. Bioaccumulative potential

| Neogen® Salmonella Enrichment Supplement | |
|--|-------------------------------------|
| Bioaccumulative potential | No additional information available |

| Malachite green oxalate (2437-29-8) | |
|---|--|
| BCF - Fish [1] | 0.15 mg/l (24 h, Salmo gairdneri, Residues) |
| Partition coefficient n-octanol/water (Log Pow) | 1.15 (Estimated value) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |

| Antibiotic Mixture | |
|--|--|
| BCF - Fish [1] | 19.28 l/kg (Estimated value) |
| Partition coefficient n-octanol/water (Log Pow) | 2.45 (Estimated value, KOWWIN) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 2.457 – 2.672 (log Koc, Estimated value) |
| Bioaccumulative potential | Low potential for bioaccumulation (BCF < 500). |

| Antibiotic Mixture | |
|---|--|
| Partition coefficient n-octanol/water (Log Pow) | 1.41 |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |

| Antibiotic Mixture | |
|---------------------------|------------------------------------|
| Bioaccumulative potential | No bioaccumulation data available. |

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12.4. Mobility in soil

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| | |
|------------------|-------------------------------------|
| Mobility in soil | No additional information available |
|------------------|-------------------------------------|

Malachite green oxalate (2437-29-8)

| | |
|---|------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 1.15 (Estimated value) |
|---|------------------------|

Antibiotic Mixture

| | |
|---|--------------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 2.45 (Estimated value, KOWWIN) |
|---|--------------------------------|

| | |
|--|--|
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 2.457 – 2.672 (log Koc, Estimated value) |
|--|--|

| | |
|----------------|---------------------------------------|
| Ecology - soil | Low potential for adsorption in soil. |
|----------------|---------------------------------------|

Antibiotic Mixture

| | |
|---|------|
| Partition coefficient n-octanol/water (Log Pow) | 1.41 |
|---|------|

12.5. Other adverse affects

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

SECTION 13: Disposal consideration

Ecological waste information : The waste of the product should be considered as hazardous as the product itself, with the likelihood of impacting the environment in the same way. Consider the handling and disposal of the waste as defined by the product itself.

Sewage disposal recommendations : Disposal must be done according to official regulations.

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

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

14.6. Special precautions for user

UN RTDG
Not regulated

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IMDG

Not regulated

IATA

Not regulated

14.7. Transport in bulk according to Annex II of Marpol 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. National regulations

| Priority Chemical List (PCL) and Chemical Control Orders (CCO) | | |
|---|----------------|--|
| Initial List of Single Substances and Compounds Covered under Chemical Control Order (CCO) and Priority Chemical List (PCL) DENR Administrative Order 2015-09 | Not applicable | |
| Priority Chemical List DENR Administrative Order 2005-27 | Not applicable | |
| Chemical Control Orders | Not applicable | |
| Chemical Control Order for Ozone Depleting Substances | Not applicable | |

| Others | | |
|---|----------------|---|
| Philippines Inventory of Chemicals and Chemical Substances (PICCS) | Applicable | MALACHITE GREEN OXALATE (2437-29-8) Antibiotic Mixture |
| Controlled Chemical for Manufacture of Explosives or Explosives Ingredients (Decree No. 1866) | Not applicable | |
| Comprehensive Dangerous Drugs Act of 2002 | Not applicable | |
| Fertilizers and Pesticides Regulation (Decree No. 1144) | Not applicable | |
| Food Additives Regulation | Not applicable | |
| Management of Hazardous Waste (Republic Act No. 6969) | Not applicable | |
| Philippines Clean Air Act | Not applicable | |
| High Volume Chemicals List | Not applicable | |

15.2. International regulations

No additional information available

SECTION 16: Other information

| | |
|---------------|--------------|
| Version | : 3.0 |
| Issue date | : 31/03/2025 |
| Revision date | : 04/06/2026 |
| Supersedes | : 13/08/2025 |

Safety Data Sheet (SDS), Philippines

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.