

### SECTION 1: Product identifier

#### 1.1. GHS Product identifier

Product form : Mixture  
 Trade 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. Details of manufacturer or importer

##### Manufacturer

Neogen Corporation  
 620 Leshar 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  
 14 Hume Drive  
 Bundamba Queensland 4304  
 Australia  
 T 07 3736 2134  
[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/Company	Address	Emergency number	Comment
Australia	NSW Poisons Information Centre The Children's Hospital at Westmead	Locked Bag 4001 NSW 2145 Westmead	13 11 26	

### SECTION 2: Hazard identification

#### 2.1. Classification of the hazardous chemical

##### Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Acute toxicity (oral), Category 4	H302
Acute toxicity (dermal), Category 5	H313
Skin corrosion/irritation, Category 3	H316
Serious eye damage/eye irritation, Category 1	H318
Skin sensitisation, Category 1	H317
Germ cell mutagenicity, Category 2	H341
Reproductive toxicity, Category 2	H361

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

Hazard pictograms (GHS AU) :



Corrosion      Exclamation mark      Health hazard

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Signal word (GHS AU)	: Danger
Contains	: Malachite green oxalate ( $\geq 10 - < 15$ %); Novobiocin, sodium salt ( $\geq 1 - < 5$ %); Nalidixic acid ( $\geq 1 - < 5$ %); Streptomycin sesquisulfate hydrate ( $\geq 1 - < 5$ %)
Hazard statements (GHS AU)	: H302 - Harmful if swallowed H313 - May be harmful in contact with skin H316 - Causes mild skin irritation H317 - May cause an allergic skin reaction H318 - Causes serious eye damage H341 - Suspected of causing genetic defects H361 - Suspected of damaging fertility or the unborn child
Precautionary statements (GHS AU)	: P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. 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. P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. P302+P352 - IF ON SKIN: Wash with plenty of water. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313 - IF exposed or concerned: Get medical advice/attention. P310 - Immediately call a POISON CENTER or doctor. P321 - Specific treatment (see supplemental first aid instruction on this label). P330 - Rinse mouth. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse. 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.
Unknown acute toxicity (GHS AU)	: 82.24% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 87.82% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 100% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

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

No additional information available

## SECTION 3: Composition and information on ingredients

Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
Malachite green oxalate	2437-29-8	$\geq 10 - < 15$	Acute Tox. 3 (Oral), H301 Acute Tox. 5 (Dermal), H313 Eye Dam. 1, H318 Repr. 2, H361
Novobiocin, sodium salt	1476-53-5	$\geq 1 - < 5$	Acute Tox. 5 (Oral), H303 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 STOT SE 3, H335
Nalidixic acid	389-08-2	$\geq 1 - < 5$	Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 Muta. 2, H341
Other substances (not contributing to the classification of this product)	-	75 – 88	-

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### SECTION 4: First aid measures

#### 4.1. Description of necessary 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-aider	: First aid workers will be equipped with suitable personal protective equipment.

#### 4.2. Symptoms caused by exposure

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 be harmful in contact with skin. Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: Harmful if swallowed.

#### 4.3. Medical attention and special treatment

Other medical advice or treatment	: Treat symptomatically.
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### 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.
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##### 6.1.1. For non-emergency personnel

Protective equipment	: Wear recommended personal protective equipment.
Emergency procedures	: Ventilate spillage area. Avoid contact with skin, eyes and clothing. 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.

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### 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. Notify authorities if product enters sewers or public waters.

## 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. Do not get in eyes, on skin, or on clothing. Avoid breathing dust/fume/gas/mist/vapours/spray.  
Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. 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 : Store always product in container of same material as original container.

## SECTION 8: Exposure controls and personal protection

### 8.1. Control parameters - exposure standards

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 green

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Odour	: Slight
Odour threshold	: No data available
pH	: No data available
pH solution	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point / Freezing point	: Freezing point: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Flammability	: No data available
Vapour pressure	: No data available
Relative density	: No data available
Density	: No data available
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: Not applicable
Explosive properties	: No data available
Explosive limits	: Not applicable
Minimum ignition energy	: No data available
Fat solubility	: 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

Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: May be harmful in contact with skin.
Acute toxicity (inhalation)	: Not classified

Neogen® Salmonella Enrichment Supplement	
ATE AU (oral)	348.904 mg/kg bodyweight
ATE AU (dermal)	2500 mg/kg bodyweight
Malachite green oxalate (2437-29-8)	
LD50 oral rat	275 mg/kg (Rat, Oral)
LD50 dermal rat	> 2000 mg/kg
Novobiocin, sodium salt (1476-53-5)	
LD50 oral rat	3500 mg/kg bodyweight (Rat, Literature study)
Nalidixic acid (389-08-2)	
LD50 oral rat	1160 mg/kg (Rat, Oral)

Unknown acute toxicity (GHS AU)	: 82.24% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 87.82% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 100% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))
Skin corrosion/irritation	: Causes mild skin irritation.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Suspected of causing genetic defects.

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Carcinogenicity	: Not classified
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.
STOT-single exposure	: Not classified

<b>Novobiocin, sodium salt (1476-53-5)</b>	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

<b>Neogen® Salmonella Enrichment Supplement</b>	
Viscosity, kinematic	Not applicable

<b>Malachite green oxalate (2437-29-8)</b>	
Viscosity, kinematic	Not applicable

<b>Novobiocin, sodium salt (1476-53-5)</b>	
Viscosity, kinematic	Not applicable

<b>Nalidixic acid (389-08-2)</b>	
Viscosity, kinematic	Not applicable

## 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

<b>Malachite green oxalate (2437-29-8)</b>	
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)
LD50 dermal rat	> 2000 mg/kg
LD50 oral rat	275 mg/kg (Rat, Oral)

<b>Novobiocin, sodium salt (1476-53-5)</b>	
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)
LD50 oral rat	3500 mg/kg bodyweight (Rat, Literature study)

<b>Nalidixic acid (389-08-2)</b>	
LC50 - Fish [1]	722.335 mg/l Source: Ecological Structure Activity Relationships
Partition coefficient n-octanol/water (Log Pow)	1.41
LD50 oral rat	1160 mg/kg (Rat, Oral)

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### 12.2. Persistence and degradability

#### Neogen® Salmonella Enrichment Supplement

Persistence and degradability	Not rapidly degradable
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#### Malachite green oxalate (2437-29-8)

Persistence and degradability	Not readily biodegradable in water.
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#### Novobiocin, sodium salt (1476-53-5)

Persistence and degradability	Not readily biodegradable in water.
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#### Nalidixic acid (389-08-2)

Persistence and degradability	Biodegradability in water: no data available.
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### 12.3. Bioaccumulative potential

#### Malachite green oxalate (2437-29-8)

BCF - Fish [1]	0.15 mg/l (24 h, Salmo gairdneri, Residues)
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Partition coefficient n-octanol/water (Log Pow)	1.15 (Estimated value)
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Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
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#### Novobiocin, sodium salt (1476-53-5)

BCF - Fish [1]	19.28 l/kg (Estimated value)
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Partition coefficient n-octanol/water (Log Pow)	2.45 (Estimated value, KOWWIN)
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Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.457 – 2.672 (log Koc, Estimated value)
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Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
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#### Nalidixic acid (389-08-2)

Partition coefficient n-octanol/water (Log Pow)	1.41
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Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
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### 12.4. Mobility in soil

#### Malachite green oxalate (2437-29-8)

Partition coefficient n-octanol/water (Log Pow)	1.15 (Estimated value)
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#### Novobiocin, sodium salt (1476-53-5)

Ecology - soil	Low potential for adsorption in soil.
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Partition coefficient n-octanol/water (Log Pow)	2.45 (Estimated value, KOWWIN)
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Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.457 – 2.672 (log Koc, Estimated value)
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#### Nalidixic acid (389-08-2)

Partition coefficient n-octanol/water (Log Pow)	1.41
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### 12.5. Other adverse effects

Ozone : Not classified

Other adverse effects : No additional information available

#### Neogen® Salmonella Enrichment Supplement

Fluorinated greenhouse gases	False
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Malachite green oxalate (2437-29-8)	
Fluorinated greenhouse gases	False
Novobiocin, sodium salt (1476-53-5)	
Fluorinated greenhouse gases	False
Nalidixic acid (389-08-2)	
Fluorinated greenhouse gases	False

### SECTION 13: Disposal considerations

Regional waste regulation	: Disposal must be done according to official regulations.
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 ADG / IMDG / IATA

ADG	IMDG	IATA
<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

#### 14.6. Special precautions for user

Specific storage requirement	: No data available
Shock sensitivity	: No data available

#### 14.7. Additional information

Other information	: No supplementary information available
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#### Transport by road and rail

Not regulated

#### Transport by sea

Not regulated

#### Air transport

Not regulated

#### 14.8. Hazchem or Emergency Action Code

Hazchem Code	: Not applicable
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### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations

##### Australian Industrial Chemicals Introduction Scheme (AICIS)

Australian Inventory of Industrial Chemicals (AICIS : All the chemicals contained in this product are listed introductions Inventory) status

##### Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

No additional information available

##### Australian Pesticides and Veterinary Medicines Authority (APVMA)

No additional information available

#### 15.2. International agreements

No additional information available

### SECTION 16: Other information

Revision date : 13/10/2025

Classification	
Acute Tox. 4 (Oral)	H302
Acute Tox. 5 (Dermal)	H313
Skin Irrit. 3	H316
Eye Dam. 1	H318
Skin Sens. 1	H317
Muta. 2	H341
Repr. 2	H361

Full text of H-statements	
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Acute Tox. 5 (Dermal)	Acute toxicity (dermal), Category 5
Acute Tox. 5 (Oral)	Acute toxicity (oral), Category 5
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Muta. 2	Germ cell mutagenicity, Category 2
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Irrit. 3	Skin corrosion/irritation, Category 3
Skin Sens. 1	Skin sensitisation, Category 1
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H301	Toxic if swallowed
H302	Harmful if swallowed
H303	May be harmful if swallowed
H313	May be harmful in contact with skin
H315	Causes skin irritation

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Full text of H-statements	
H316	Causes mild skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H341	Suspected of causing genetic defects
H361	Suspected of damaging fertility or the unborn child

Safety Data Sheet (SDS), Australia

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.