Neogen® Campylobacter Enrichment Broth

Safety Data Sheet

according to the DENR EMB MC 2015-011 and DAO 2015-09 Guidance Manual
Issue date: 02/10/2025 Revision date: 04/06/2026 Supersedes: 12/12/2025 Version: 3.0

SECTION 1: Identification

1.1. Product identifier

Trade name : Neogen® Campylobacter Enrichment Broth
Name : Neogen Campylobacter Enrichment Broth
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. Supplier's details

Neogen Corporation
620 Lesher 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

Skin corrosion/irritation, Category 2 H315
Serious eye damage/eye irritation, Category 1 H318
Skin sensitisation, Category 1 H317

2.2. Label elements

Hazard pictograms (GHS PH) :

Signal word (GHS PH) : Danger
Contains : 2-Oxoglutaric acid ; α-Ketoglutaric acid; Oxygen scavengers; Sodium carbonate; Sodium pyruvate; Oxygen scavengers
Hazard statements (GHS PH) : H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
Precautionary statements (GHS PH) : P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/....
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.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P332+P317 - If skin irritation occurs: Get medical help.
P333+P317 - If skin irritation or rash occurs: Get medical help.
P362+P364 - Take off contaminated clothing and wash it before reuse.

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
Meat extracts, beef	CAS-No.: 68990-09-0	≥ 15 – < 25	Not classified
Peptones, beef	CAS-No.: 91079-38-8	≥ 15 – < 25	Not classified
Peptones, casein	CAS-No.: 91079-40-2	≥ 10 – < 15	Not classified
Yeast extract	CAS-No.: 8013-01-2	≥ 10 – < 15	Not classified
Sodium chloride	CAS-No.: 7647-14-5	≥ 10 – < 15	Not classified
2-Oxoglutaric acid ; α-Ketoglutaric acid	CAS-No.: 328-50-7	≥ 1 – < 5	Eye Dam. 1, H318
Sodium carbonate	CAS-No.: 497-19-8	≥ 1 – < 5	Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Corr. 1, H314 Eye Dam. 1, H318
Oxygen scavengers	-	≥ 1 – < 5	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Sodium pyruvate	CAS-No.: 113-24-6	≥ 1 – < 5	Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 2, H411
Oxygen scavengers	-	≥ 1 – < 5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319
Antibiotic Mixture	-	< 0.1	Resp. Sens. 1, H334 Skin Sens. 1, H317
Antibiotic Mixture	-	< 0.1	Eye Irrit. 2A, H319 Skin Sens. 1, H317 STOT SE 3, H335
Antibiotic Mixture	-	< 0.1	Acute Tox. 3 (Oral), H301 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Antibiotic Mixture	-	< 0.1	Not classified

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice.

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 : 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. 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 : Irritation. 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. 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 : Ventilate spillage area. Avoid contact with skin and eyes. 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.

6.3. Methods and material 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 : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. 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 : Keep cool. Protect from sunlight.

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 insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):

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 brown
Odour	:	Characteristic,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	:	No data available
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)	:	Not classified
Acute toxicity (dermal)	:	Not classified
Acute toxicity (inhalation)	:	Not classified

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)

Peptones, casein (91079-40-2)	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method)

Peptones, beef (91079-38-8)	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method)

Sodium chloride (7647-14-5)	
LD50 oral rat	> 3980 mg/kg bodyweight (Rat, Experimental value, 20 % aqueous solution, Oral)
LD50 dermal rabbit	> 10000 mg/kg (Rabbit, Experimental value, Dermal)
LC50 Inhalation - Rat	> 42 mg/l air (1 h, Rat, Male, Experimental value, 20 % aqueous solution, Inhalation (aerosol))
LC50 Inhalation - Rat (Dust/Mist)	> 10.5 mg/l Source: Corporate Solution From Thomson Micromedex

Oxygen scavengers	
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
LC50 Inhalation - Rat (Dust/Mist)	1.2 mg/l/4h

Sodium pyruvate (113-24-6)	
LD50 oral	3533 mg/kg bodyweight (Mouse, Experimental value, Oral)
LD50 dermal rat	> 3000 mg/kg bodyweight (Rat, Male, Experimental value, Intraperitoneal)

Antibiotic Mixture	
LD50 oral rat	> 10000 mg/kg (Rat, Oral)

Antibiotic Mixture	
LD50 oral rat	240 mg/kg Source: National Library of Medicine
LD50 oral	200 mg/kg

Oxygen scavengers	
LD50 oral rat	> 2000 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Read-across, Oral, 14 day(s))
LD50 oral	1389 mg/kg
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Read-across, Anhydrous form, Dermal, 14 day(s))
LC50 Inhalation - Rat	> 1.1 mg/l (EPA OPP 81-3: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Read-across, Anhydrous form, Inhalation)
LC50 Inhalation - Rat (Dust/Mist)	> 1.1 mg/l Source: ECHA

Skin corrosion/irritation : Causes skin irritation.

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

Antibiotic Mixture	
STOT - single exposure	May cause respiratory irritation.

STOT - repeated exposure : Not classified

Peptones, casein (91079-40-2)	
NOAEL (oral, rat, 90 days)	> 1000 mg/kg bodyweight Animal: rat, Guideline: other:

Peptones, beef (91079-38-8)	
NOAEL (oral, rat, 90 days)	> 1000 mg/kg bodyweight Animal: rat, Guideline: other:

Aspiration hazard : Not classified

Neogen® Campylobacter Enrichment Broth	
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.

2-Oxoglutaric acid ; α-Ketoglutaric acid (328-50-7)	
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)

Sodium chloride (7647-14-5)	
LC50 - Fish [1]	5840 mg/l (ASTM, 96 h, Lepomis macrochirus, Flow-through system, Fresh water, Experimental value, Lethal)
LOEC (chronic)	441 mg/l Test organisms (species): Daphnia pulex Duration: '21 d'
NOEC (chronic)	314 mg/l Test organisms (species): Daphnia pulex Duration: '21 d'

Oxygen scavengers	
LC50 - Fish [1]	316 mg/l (DIN 38412-15, 96 h, Leuciscus idus, Static system, Fresh water, Read-across, Nominal concentration)
EC50 72h - Algae [1]	43.8 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
NOEC (chronic)	> 10 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

Oxygen scavengers	
NOEC chronic fish	≥ 316 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) Duration: '34 d'
Partition coefficient n-octanol/water (Log Pow)	-3.7 Source: ICSC

Sodium carbonate (497-19-8)	
LC50 - Fish [1]	300 mg/l (96 h, Lepomis macrochirus, Static system, Fresh water, Experimental value, Lethal)
EC50 - Crustacea [1]	200 – 227 mg/l (48 h, Ceriodaphnia sp., Semi-static system, Fresh water, Experimental value, Locomotor effect)
EC50 - Crustacea [2]	200 – 227 mg/l Test organisms (species): Ceriodaphnia sp.
EC50 96h - Algae [1]	242 mg/l Source: ECOTOX
Partition coefficient n-octanol/water (Log Pow)	-6.19 Source: Quantitative Structure Activity Relation

Sodium pyruvate (113-24-6)	
LC50 - Fish [1]	> 100 mg/l (96 h, Pisces, QSAR, Nominal concentration)
EC50 - Crustacea [1]	> 100 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Nominal concentration)
EC50 72h - Algae [1]	2.78 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	94800000 mg/l Source: ECOSAR
ErC50 algae	> 3 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, 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)

Yeast extract (8013-01-2)	
EC50 - Crustacea [1]	> 100 mg/l Test organisms (species): Daphnia magna

Antibiotic Mixture	
EC50 96h - Algae [1]	2.629 mg/l Source: Ecological Structure Activity Relationships
ErC50 algae	1 mg/l
NOEC chronic algae	1 mg/l
Partition coefficient n-octanol/water (Log Pow)	0.91 Source: National Library of Medicine/Hazardous Substances Data Bank

Oxygen scavengers	
LC50 - Fish [1]	925 mg/l (96 h, Poecilia reticulata, Static system, Literature study)
EC50 - Crustacea [1]	152 mg/l (48 h, Daphnia magna, Literature study, Anhydrous form)
NOEC chronic crustacea	10 mg/l
BCF - Fish [1]	≤ 20 (OECD 305: Bioconcentration: Flow-Through Fish Test, 28 day(s), Cyprinus carpio, Flow-through system, Fresh water, Read-across, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	-0.37 Source: EPISUITE

12.2. Persistence and degredability

Neogen® Campylobacter Enrichment Broth	
Persistence and degradability	Not rapidly degradable

2-Oxoglutaric acid ; α-Ketoglutaric acid (328-50-7)	
Persistence and degradability	Readily biodegradable in water.

Meat extracts, beef (68990-09-0)	
Persistence and degradability	Not rapidly degradable

Peptones, casein (91079-40-2)	
Persistence and degradability	Not rapidly degradable

Peptones, beef (91079-38-8)	
Persistence and degradability	Not rapidly degradable

Sodium chloride (7647-14-5)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)

Oxygen scavengers	
Persistence and degradability	Biodegradability in water: no data available.
Chemical oxygen demand (COD)	0.15 g O_2/g substance

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.

Yeast extract (8013-01-2)	
Persistence and degradability	Not rapidly degradable

Antibiotic Mixture	
Persistence and degradability	Not rapidly degradable

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

Antibiotic Mixture	
Persistence and degradability	Not rapidly degradable

Antibiotic Mixture	
Persistence and degradability	Not rapidly degradable

Oxygen scavengers	
Persistence and degradability	Biodegradability in soil: no data available, Readily biodegradable in water.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)

12.3. Bioaccumulative potential

Neogen® Campylobacter Enrichment Broth	
Bioaccumulative potential	No additional information available

2-Oxoglutaric acid ; α-Ketoglutaric acid (328-50-7)	
Partition coefficient n-octanol/water (Log Pow)	-2.08 (25 °C)
Bioaccumulative potential	Not bioaccumulative.

Sodium chloride (7647-14-5)	
Bioaccumulative potential	Not bioaccumulative.

Oxygen scavengers	
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.

Antibiotic Mixture	
Bioaccumulative potential	No bioaccumulation data available.

Antibiotic Mixture	
Partition coefficient n-octanol/water (Log Pow)	0.91 Source: National Library of Medicine/Hazardous Substances Data Bank

Oxygen scavengers	
BCF - Fish [1]	≤ 20 (OECD 305: Bioconcentration: Flow-Through Fish Test, 28 day(s), Cyprinus carpio, Flow-through system, Fresh water, Read-across, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	-0.37 Source: EPISUITE
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

12.4. Mobility in soil

Neogen® Campylobacter Enrichment Broth	
Mobility in soil	No additional information available

2-Oxoglutaric acid ; α-Ketoglutaric acid (328-50-7)	
Partition coefficient n-octanol/water (Log Pow)	-2.08 (25 °C)

Sodium chloride (7647-14-5)	
Surface tension	73.03 mN/m (23 °C, 14.5 g/l)
Ecology - soil	No (test)data on mobility of the substance available.

Oxygen scavengers	
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

Sodium carbonate (497-19-8)	
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)
Ecology - soil	No (test)data on mobility of the substance available.

Antibiotic Mixture	
Mobility in soil	75 Source: National Library of Medicine/Hazardous Substances Data Bank
Partition coefficient n-octanol/water (Log Pow)	0.91 Source: National Library of Medicine/Hazardous Substances Data Bank

Oxygen scavengers	
Partition coefficient n-octanol/water (Log Pow)	-0.37 Source: EPISUITE
Ecology - soil	Adsorbs into the soil.

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

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	EXTRACT, MEAT, BEEF (68990-09-0) PEPTONE BACTERIOLOGICAL OXOID (91079-40-2) SODIUM CHLORIDE (7647-14-5) Oxygen scavengers Carbonic acid disodium salt (497-19-8) Propanoic acid, 2-oxo-, sodium salt (113-24-6) EXTRACT, YEAST (8013-01-2) 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	Enzymes permitted for use in food	Sodium chloride (7647-14-5)
	Additives approved only for use as food processing	Sodium carbonate (497-19-8)
Management of Hazardous Waste (Republic Act No. 6969)	Not applicable	
Philippines Clean Air Act	Not applicable	
High Volume Chemicals List	Applicable	Sodium chloride (7647-14-5) Oxygen scavengers Sodium carbonate anhydrous (497-19-8)

15.2. International regulations

No additional information available

SECTION 16: Other information

Version	:	3.0
Issue date	:	02/10/2025
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Supersedes	:	12/12/2025

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.