Neogen® MLS UHT Beverage Screen Kit

Kit Product

Kit identification

Trade name : Neogen® MLS UHT Beverage Screen Kit
Product code : BEV600
Part Number(s) : 700002226|BEV600

Details of the supplier of the Kit safety information sheet

Supplier
Neogen Corporation
620 Lesher Place
Lansing Michigan 48912
United States of America
T 800.234.5333
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 - https://www.neogen.com/

General information

Restrictions on use : Do not use kit components from one kit with any other kit.
General description : This is a test kit that is comprised of several individual components, listed below, each of which may have its own Safety Data Sheet (SDS). Articles, and otherwise immobilized and inaccessible chemicals, do not have a Safety Data Sheet in this packet.

Kit contents

Name	GHS classification
Beverage LL1 Enzyme	Skin Sens. 1, H317
Beverage Extractant	Skin Sens. 1, H317
Beverage LL1 Buffer	Not classified
Beverage ATPase	Not classified
Beverage ATPase Buffer	Not classified

Transport information

In accordance with IMDG / IATA / UN RTDG

IMDG	IATA	UNRTDG
UN number		
Not regulated for transport		
UN Proper Shipping Name		
Not regulated	Not regulated	Not regulated

IMDG	IATA	UNRTDG
Transport hazard class(es)		
Not regulated	Not regulated	Not regulated
Packing group		
Not regulated	Not regulated	Not regulated
Environmental hazards		
Not regulated	Not regulated	Not regulated
No supplementary information available		

Special precautions for user

Transport by road and rail
Not regulated

Transport by sea
Not regulated

Air transport
Not regulated

Transport in bulk according to IMO instruments

Not applicable

Hazchem or Emergency Action Code

Not applicable

SECTION 1: Identification

1.1 Product identifier

Trade name : Beverage LL1 Enzyme
Product form : Mixture
Type of product : Food Safety -- [Food Safety]
Product code : 400001118

1.2 Other means of identification

Part Number(s) : 400001118

1.3 Recommended use of the chemical and restrictions on use

Restrictions on use : Do not use kit components from one kit with any other kit.

1.4 Details of manufacturer or importer

Supplier
Neogen Corporation
620 Lesher Place
Lansing Michigan 48912
United States of America
T 800.234.5333
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 - 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
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)

Skin sensitisation, Category 1 H317

2.2. GHS Label elements, including precautionary statements

GHS NZ labelling

Hazard pictograms (GHS NZ) :

Signal word (GHS NZ) : Warning
Contains : DL-Dithiothreitol (< 100 %)
Hazard statements (GHS NZ) : H317 - May cause an allergic skin reaction
Prevention : P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 - Contaminated work clothing should not be allowed out of the workplace.

		P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
Response	:	P302+P352 - IF ON SKIN: Wash with plenty of water. P321 - Specific treatment (see supplemental first aid instruction on this label). P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. 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
α-Cyclodextrin	CAS-No.: 10016-20-3	< 100	Eye Irrit. 2A, H319 Aquatic Chronic 3, H412
DL-Dithiothreitol	CAS-No.: 3483-12-3	< 100	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Chronic 2, H411

SECTION 4: First-aid measures

4.1. Description of necessary 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 eyes with water as a precaution.
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. 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 cause an allergic skin reaction.
Symptoms/effects after eye contact	:	None under normal conditions. Dust from this product may cause eye irritation.
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 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 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 : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Wear personal protective equipment.
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.
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

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 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

Physical state : Solid
Appearance : No data available
Colour : Light green
Odour : Odourless
Odour threshold : No additional information available
pH : No additional information available
Evaporation rate : No additional information 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 : Non flammable.
Vapour pressure : No additional information available
Relative density : No additional information available
Density : No additional information available
Solubility : Soluble in water.
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)	:	Not classified

Beverage LL1 Enzyme	
Unknown acute toxicity (GHS NZ)Unknown acute toxicity (GHS NZ)	29.11% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 98.31% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 98.31% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

α-Cyclodextrin (10016-20-3)	
LD50 oral rat	> 10000 mg/kg Source: TOMES
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	≥ 4.9 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

DL-Dithiothreitol (3483-12-3)	
LD50 oral rat	400 mg/kg (Rat, Oral)

Skin corrosion/irritation	:	Not classified
Serious eye damage/irritation	:	Not classified
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

DL-Dithiothreitol (3483-12-3)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure	:	Not classified

α-Cyclodextrin (10016-20-3)	
NOAEL (oral, rat, 90 days)	12764 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)

Aspiration hazard	:	Not classified

Beverage LL1 Enzyme	
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.

Soil toxicity : Not classified
Terrestrial vertebrate toxicity : Not classified
Terrestrial invertebrate toxicity : Not classified

α-Cyclodextrin (10016-20-3)	
LC50 - Fish [1]	≥ 100 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	> 100 mg/l Test organisms (species): Daphnia magna
LOEC (chronic)	> 120 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	≥ 120 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 oral rat	> 10000 mg/kg Source: TOMES

DL-Dithiothreitol (3483-12-3)	
EC50 - Crustacea [1]	34.8 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	24.3 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	8.66 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
LD50 oral rat	400 mg/kg (Rat, Oral)

12.2. Persistence and degradability

Beverage LL1 Enzyme	
Persistence and degradability	Not rapidly degradable

α-Cyclodextrin (10016-20-3)	
Persistence and degradability	Not rapidly degradable

DL-Dithiothreitol (3483-12-3)	
Persistence and degradability	Biodegradability in water: no data available.

12.3. Bioaccumulative potential

Beverage LL1 Enzyme	
Bioaccumulative potential	No additional information available

DL-Dithiothreitol (3483-12-3)	
Bioaccumulative potential	No bioaccumulation data available.

12.4. Mobility in soil

Beverage LL1 Enzyme	
Mobility in soil	No additional information 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
14.1. UN number		
Not regulated	Not regulated	Not applicable
14.2. UN Proper Shipping Name		
Not regulated	Not regulated	Not applicable
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not applicable
14.4. Packing group		
Not regulated	Not regulated	Not applicable
14.5. Environmental hazards		
Not regulated	Not regulated	Not applicable
No supplementary information available		

14.6. Special precautions for user

Transport by road and rail
Not applicable

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

SECTION 15: Regulatory information

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

α-Cyclodextrin (10016-20-3)	
Hazardous Substances and New Organisms Act	
HSNO Approval Number	HSR003585

DL-Dithiothreitol (3483-12-3)	
Hazardous Substances and New Organisms Act	
HSNO Approval Number	HSR005050

15.2. Chemical safety assessment

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

SECTION 16: Other information

Issue date : 4/09/2025
Revision date : 14/10/2025
Supersedes : 4/09/2025

Full text of H-statements	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), 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 Irrit. 2	Serious eye damage/eye irritation, Category 2
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H302	Harmful if swallowed
H312	Harmful in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H335	May cause respiratory irritation
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.

SECTION 1: Identification

1.1 Product identifier

Trade name : Beverage LL1 Buffer
Product form : Mixture
Type of product : Food Safety -- [Food Safety]
Product code : 400001056

1.2 Other means of identification

Part Number(s) : 400001056

1.3 Recommended use of the chemical and restrictions on use

Restrictions on use : Do not use kit components from one kit with any other kit.

1.4 Details of manufacturer or importer

Supplier
Neogen Corporation
620 Lesher Place
Lansing Michigan 48912
United States of America
T 800.234.5333
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 - 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
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)

Not classified

2.2. GHS Label elements, including precautionary statements

GHS NZ labelling

No labelling applicable

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

This mixture does not contain any substances to be mentioned according to the applicable regulations

SECTION 4: First-aid measures

4.1. Description of necessary 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.
First-aid measures after eye contact : Rinse eyes with water as a precaution.
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. Symptoms caused by exposure

Symptoms/effects after inhalation : None under normal conditions.
Symptoms/effects after skin contact : None under normal conditions.
Symptoms/effects after eye contact : None under normal conditions.
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. Carbon dioxide.
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 : Stop leak if safe to do so. 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 : Stop leak if safe to do so. 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.

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. Stop leak if safe to do so.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and materials for containment and cleaning up

For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.

Methods for cleaning up : Take up liquid spill into absorbent material.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures : 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 : Do not freeze.

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

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 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

Physical state : Liquid

Appearance : No data available

Colour : Colourless

Odour : Odourless

Odour threshold	:	No additional information available
pH	:	No additional information available
Evaporation rate	:	No additional information available
Relative evaporation rate (butylacetate=1)	:	No data available
Melting point / Freezing point	:	Melting point: Not applicable
Boiling point	:	No data available
Flash point	:	No data available
Auto-ignition temperature	:	No data available
Flammability	:	Non flammable.
Vapour pressure	:	No additional information available
Relative density	:	No additional information available
Density	:	No additional information available
Solubility	:	Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Explosive limits	:	No additional information available
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)	:	Not classified

Beverage LL1 Buffer	
Unknown acute toxicity (GHS NZ)Unknown acute toxicity (GHS NZ)	2.32% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 99.7% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 99.7% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

Skin corrosion/irritation	:	Not classified
Serious eye damage/irritation	:	Not classified
Respiratory or skin sensitisation	:	Not classified
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

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

12.2. Persistence and degradability

Beverage LL1 Buffer	
Persistence and degradability	Not rapidly degradable

12.3. Bioaccumulative potential

Beverage LL1 Buffer	
Bioaccumulative potential	No additional information available

12.4. Mobility in soil

Beverage LL1 Buffer	
Mobility in soil	No additional information 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 : 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	Not regulated	Not applicable
14.2. UN Proper Shipping Name		
Not regulated	Not regulated	Not applicable
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not applicable
14.4. Packing group		
Not regulated	Not regulated	Not applicable
14.5. Environmental hazards		
Not regulated	Not regulated	Not applicable
No supplementary information available		

14.6. Special precautions for user

Transport by road and rail
Not applicable

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

SECTION 15: Regulatory information

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

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Issue date	:	4/09/2025
Revision date	:	14/10/2025
Supersedes	:	4/09/2025

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.

SECTION 1: Identification

1.1 Product identifier

Trade name : Beverage ATPase
Product form : Mixture
Type of product : Food Safety -- [Food Safety]
Product code : 400001119

1.2 Other means of identification

Part Number(s) : 400001119

1.3 Recommended use of the chemical and restrictions on use

Restrictions on use : Do not use kit components from one kit with any other kit.

1.4 Details of manufacturer or importer

Supplier
Neogen Corporation
620 Lesher Place
Lansing Michigan 48912
United States of America
T 800.234.5333
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 - 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
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)

Not classified

2.2. GHS Label elements, including precautionary statements

GHS NZ labelling

No labelling applicable

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

This mixture does not contain any substances to be mentioned according to the applicable regulations

SECTION 4: First-aid measures

4.1. Description of necessary 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.
First-aid measures after eye contact : Rinse eyes with water as a precaution.
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. 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 : None under normal conditions. Dust may cause irritation in skin folds or by contact in combination with tight clothing.
Symptoms/effects after eye contact : None under normal conditions. Dust from this product may cause eye irritation.
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.

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	:	Ensure good ventilation of the work station. Wear personal protective equipment.
Hygiene measures	:	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	:	Do not freeze.
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

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 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

Physical state	:	Solid
Appearance	:	No data available
Colour	:	White
Odour	:	Odourless
Odour threshold	:	No additional information available
pH	:	No additional information available
Evaporation rate	:	No additional information 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	:	Non flammable.
Vapour pressure	:	No additional information available
Relative density	:	No additional information available
Density	:	No additional information available
Solubility	:	Soluble in water.
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)	:	Not classified

Beverage ATPase	
Unknown acute toxicity (GHS NZ)Unknown acute toxicity (GHS NZ)	2.99% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 97.58% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 98.87% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

Skin corrosion/irritation	:	Not classified
Serious eye damage/irritation	:	Not classified
Respiratory or skin sensitisation	:	Not classified
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

Beverage ATPase	
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

Soil toxicity : Not classified

Terrestrial vertebrate toxicity : Not classified

Terrestrial invertebrate toxicity : Not classified

12.2. Persistence and degradability

Beverage ATPase	
Persistence and degradability	Not rapidly degradable

12.3. Bioaccumulative potential

Beverage ATPase	
Bioaccumulative potential	No additional information available

12.4. Mobility in soil

Beverage ATPase	
Mobility in soil	No additional information 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
14.1. UN number		
Not regulated	Not regulated	Not applicable
14.2. UN Proper Shipping Name		
Not regulated	Not regulated	Not applicable

IMDG	IATA	UNRTDG
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not applicable
14.4. Packing group		
Not regulated	Not regulated	Not applicable
14.5. Environmental hazards		
Not regulated	Not regulated	Not applicable
No supplementary information available		

14.6. Special precautions for user

Transport by road and rail
Not applicable

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

SECTION 15: Regulatory information

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

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Issue date : 4/09/2025
Revision date : 14/10/2025
Supersedes : 4/09/2025

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.

SECTION 1: Identification

1.1 Product identifier

Trade name : Beverage ATPase Buffer
Product form : Mixture
Type of product : Food Safety -- [Food Safety]
Product code : 400001080

1.2 Other means of identification

Part Number(s) : 400001080

1.3 Recommended use of the chemical and restrictions on use

Restrictions on use : Do not use kit components from one kit with any other kit.

1.4 Details of manufacturer or importer

Supplier
Neogen Corporation
620 Lesher Place
Lansing Michigan 48912
United States of America
T 800.234.5333
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 - 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
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)

Not classified

2.2. GHS Label elements, including precautionary statements

GHS NZ labelling

No labelling applicable

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

This mixture does not contain any substances to be mentioned according to the applicable regulations

SECTION 4: First-aid measures

4.1. Description of necessary 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.
First-aid measures after eye contact : Rinse eyes with water as a precaution.
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. Symptoms caused by exposure

Symptoms/effects after inhalation : None under normal conditions.
Symptoms/effects after skin contact : None under normal conditions.
Symptoms/effects after eye contact : None under normal conditions.
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. Carbon dioxide.
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 : Stop leak if safe to do so. 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 : Stop leak if safe to do so. 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.

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. Stop leak if safe to do so.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and materials for containment and cleaning up

For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.

Methods for cleaning up : Take up liquid spill into absorbent material.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures : 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 : Do not freeze.

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

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 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

Physical state : Liquid

Appearance : No data available

Colour : Colourless

Odour : Odourless

Odour threshold	:	No additional information available
pH	:	No additional information available
Evaporation rate	:	No additional information available
Relative evaporation rate (butylacetate=1)	:	No data available
Melting point / Freezing point	:	Melting point: Not applicable
Boiling point	:	No data available
Flash point	:	No data available
Auto-ignition temperature	:	No data available
Flammability	:	Non flammable.
Vapour pressure	:	No additional information available
Relative density	:	No additional information available
Density	:	No additional information available
Solubility	:	Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Explosive limits	:	No additional information available
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)	:	Not classified

Beverage ATPase Buffer	
Unknown acute toxicity (GHS NZ)Unknown acute toxicity (GHS NZ)	11.96% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 99.3% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 99.3% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

Skin corrosion/irritation	:	Not classified
Serious eye damage/irritation	:	Not classified
Respiratory or skin sensitisation	:	Not classified
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

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

12.2. Persistence and degradability

Beverage ATPase Buffer	
Persistence and degradability	Not rapidly degradable

12.3. Bioaccumulative potential

Beverage ATPase Buffer	
Bioaccumulative potential	No additional information available

12.4. Mobility in soil

Beverage ATPase Buffer	
Mobility in soil	No additional information 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 : 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	Not regulated	Not applicable
14.2. UN Proper Shipping Name		
Not regulated	Not regulated	Not applicable
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not applicable
14.4. Packing group		
Not regulated	Not regulated	Not applicable
14.5. Environmental hazards		
Not regulated	Not regulated	Not applicable
No supplementary information available		

14.6. Special precautions for user

Transport by road and rail
Not applicable

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

SECTION 15: Regulatory information

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

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Issue date	:	4/09/2025
Revision date	:	14/10/2025
Supersedes	:	4/09/2025

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.

SECTION 1: Identification

1.1 Product identifier

Trade name : Beverage Extractant
Product form : Mixture
Type of product : Food Safety -- [Food Safety]
Product code : 400001120

1.2 Other means of identification

Part Number(s) : 400001120

1.3 Recommended use of the chemical and restrictions on use

Restrictions on use : Do not use kit components from one kit with any other kit.

1.4 Details of manufacturer or importer

Supplier
Neogen Corporation
620 Lesher Place
Lansing Michigan 48912
United States of America
T 800.234.5333
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 - 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
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)

Skin sensitisation, Category 1 H317

2.2. GHS Label elements, including precautionary statements

GHS NZ labelling

Hazard pictograms (GHS NZ) :

Signal word (GHS NZ) : Warning
Contains : 1-Piperazineethanesulfonic acid, 4-(2-hydroxyethyl)-, monosodium salt (< 100 %)
Hazard statements (GHS NZ) : H317 - May cause an allergic skin reaction
Prevention : P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 - Contaminated work clothing should not be allowed out of the workplace.

		P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
Response	:	P302+P352 - IF ON SKIN: Wash with plenty of water. P321 - Specific treatment (see supplemental first aid instruction on this label). P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. 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
Chlorhexidine Digluconate 20% Solution	CAS-No.: 18472-51-0	< 100	Aquatic Chronic 2, H411
1-Piperazineethanesulfonic acid, 4-(2-hydroxyethyl)-, monosodium salt	CAS-No.: 75277-39-3	< 100	Skin Sens. 1, H317

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

No additional information available

4.2. Symptoms caused by exposure

No additional information available

4.3. Medical attention and special treatment

No additional information available

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

No additional information available

5.2. Specific hazards arising from the chemical

No additional information available

5.3. Special protective equipment and precautions for fire-fighters

No additional information available

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No additional information available

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

No additional information available

6.3. Methods and materials for containment and cleaning up

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

No additional information available

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	:	Do not freeze.
Storage temperature	:	2 – 8 °C

SECTION 8: Exposure controls and personal protection

8.1. Control parameters - exposure standards

No additional information available

Exposure limit values for the other components

No additional information available

8.2. Monitoring methods

No additional information available

8.3. Engineering controls

No additional information available

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

No additional information available

SECTION 9: Physical and chemical properties

Physical state	:	Liquid
Appearance	:	No data available
Colour	:	Colourless
Odour	:	Odourless
Odour threshold	:	No additional information available
pH	:	No additional information available
Evaporation rate	:	No additional information available
Relative evaporation rate (butylacetate=1)	:	No data available
Melting point / Freezing point	:	No additional information available
Boiling point	:	No data available
Flash point	:	No data available
Auto-ignition temperature	:	No data available
Flammability	:	No additional information available
Vapour pressure	:	No additional information available
Relative density	:	No additional information available
Density	:	No additional information available
Solubility	:	Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Viscosity, dynamic	:	No data available

Explosive properties : No data available
Explosive limits : No additional information available
Minimum ignition energy : No data available

SECTION 10: Stability and reactivity

Reactivity : No additional information available
Chemical stability : No additional information available
Possibility of hazardous reactions : No additional information available
Conditions to avoid : No additional information available
Incompatible materials : No additional information available
Hazardous decomposition products : No additional information available

SECTION 11: Toxicological information

11.1. Toxicity

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Beverage Extractant	
Unknown acute toxicity (GHS NZ)Unknown acute toxicity (GHS NZ)	1.93% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 98.49% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 98.49% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

1-Piperazineethanesulfonic acid, 4-(2-hydroxyethyl)-, monosodium salt (75277-39-3)	
LD50 oral rat	> 2000 mg/kg bodyweight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rat	> 2000 mg/kg

Chlorhexidine Digluconate 20% Solution (18472-51-0)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg bodyweight Animal: rabbit, Guideline: other:

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
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

1-Piperazineethanesulfonic acid, 4-(2-hydroxyethyl)-, monosodium salt (75277-39-3)	
Viscosity, kinematic	Not applicable (solid)

SECTION 12: Ecological information

12.1. Ecotoxicity

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

1-Piperazineethanesulfonic acid, 4-(2-hydroxyethyl)-, monosodium salt (75277-39-3)	
LC50 - Fish [1]	> 100 mg/l
EC50 - Crustacea [1]	> 0.1 g/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
EC50 - Crustacea [2]	> 0.1 g/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 100 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
ErC50 algae	> 100 mg/l
Partition coefficient n-octanol/water (Log Pow)	< -3.88 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 20 °C)
LD50 dermal rat	> 2000 mg/kg
LD50 oral rat	> 2000 mg/kg bodyweight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Male / female, Experimental value, Oral, 14 day(s))

Chlorhexidine Digluconate 20% Solution (18472-51-0)	
LC50 - Fish [1]	2.08 mg/kg
EC50 - Crustacea [1]	87 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	81 mg/l
BCF - Fish [1]	42 mg/l
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	> 3.9
LD50 dermal rabbit	> 5000 mg/kg bodyweight Animal: rabbit, Guideline: other:
LD50 dermal rat	> 2000 mg/kg
LD50 oral rat	> 2000 mg/kg

12.2. Persistence and degradability

Beverage Extractant	
Persistence and degradability	Not rapidly degradable

1-Piperazineethanesulfonic acid, 4-(2-hydroxyethyl)-, monosodium salt (75277-39-3)	
Persistence and degradability	Not readily biodegradable in water.

Chlorhexidine Digluconate 20% Solution (18472-51-0)	
Persistence and degradability	Not readily biodegradable.

12.3. Bioaccumulative potential

Beverage Extractant	
Bioaccumulative potential	No additional information available

1-Piperazineethanesulfonic acid, 4-(2-hydroxyethyl)-, monosodium salt (75277-39-3)	
Partition coefficient n-octanol/water (Log Pow)	< -3.88 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 20 °C)
Bioaccumulative potential	Not bioaccumulative.

Chlorhexidine Digluconate 20% Solution (18472-51-0)	
BCF - Fish [1]	42 mg/l

Chlorhexidine Digluconate 20% Solution (18472-51-0)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	> 3.9
Bioaccumulative potential	Not determined.

12.4. Mobility in soil

Beverage Extractant	
Mobility in soil	No additional information available

1-Piperazineethanesulfonic acid, 4-(2-hydroxyethyl)-, monosodium salt (75277-39-3)	
Surface tension	63 mN/m (20 °C, Experimental value, 1.001 g/l, OECD 115: Surface Tension of Aqueous Solutions)
Partition coefficient n-octanol/water (Log Pow)	< -3.88 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 20 °C)
Ecology - soil	No (test)data on mobility of the substance available.

Chlorhexidine Digluconate 20% Solution (18472-51-0)	
Mobility in soil	No information available about this product.
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	> 3.9

12.5. Other adverse effects

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

SECTION 13: Disposal considerations

No additional information available

SECTION 14: Transport information

In accordance with IMDG / IATA / UN RTDG

IMDG	IATA	UNRTDG
14.1. UN number		
Not regulated	Not regulated	Not applicable
14.2. UN Proper Shipping Name		
Not regulated	Not regulated	Not applicable
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not applicable
14.4. Packing group		
Not regulated	Not regulated	Not applicable
14.5. Environmental hazards		
Not regulated	Not regulated	Not applicable
No supplementary information available		

14.6. Special precautions for user

Transport by road and rail
Not applicable

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

SECTION 15: Regulatory information

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

No additional information available

15.2. Chemical safety assessment

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

SECTION 16: Other information

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Full text of H-statements	
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
H317	May cause an allergic skin reaction
H411	Toxic 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.