

### SECTION 1: Identification

#### 1.1 Product identifier

Trade name : Membrane Lauryl Sulfate Broth  
Product form : Mixture  
Type of product : Food Safety -- [Food Safety]  
Product code : NCM0039

#### 1.2 Other means of identification

Part Number(s) : 700004420|NCM0039A|700004421|NCM0039B|700004422|NCM0039C|NCM0039

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

No additional information available

#### 1.4 Details of manufacturer or importer

##### Manufacturer

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

##### Importer

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

#### 1.5. Emergency phone number

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

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

### SECTION 2: Hazard identification

#### 2.1. Classification of the hazardous chemical

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

Serious eye damage/eye irritation, Category 2 H319  
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 : Sodium dodecyl sulfate (< 100 %); Sodium pyruvate (< 100 %); Phenol red (< 100 %)  
Hazard statements (GHS NZ) : H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation  
Prevention : 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.

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Response	: P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. : 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. : P321 - Specific treatment (see supplemental first aid instruction on this label). : P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. : P337+P313 - If eye irritation persists: 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
Sodium dodecyl sulfate	CAS-No.: 151-21-3	< 100	Flam. Sol. 2, H228 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Chronic 3, H412 Hazardous to terrestrial vertebrates
Sodium pyruvate	CAS-No.: 113-24-6	< 100	Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 2, H411
Phenol red	CAS-No.: 143-74-8	< 100	Skin Irrit. 2, H315 Eye Irrit. 2A, 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 cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.
Self protection of the first-aider	: First-aiders should pay attention to their own protection and use the recommended personal protective equipment (see section 8).

### 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.
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Symptoms/effects after skin contact : May cause an allergic skin reaction.  
Symptoms/effects after eye contact : 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.

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

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

Technical measures : Keep in a cool, well-ventilated place away from heat.  
Storage conditions : Keep cool. Protect from sunlight.  
Storage temperature : 2 – 30 °C  
Packaging materials : Always store product in container of same material as original container.

## SECTION 8: Exposure controls and personal protection

### 8.1. Control parameters - exposure standards

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 : Powder.  
Colour : Red  
Odour : Characteristic  
Odour threshold : No additional information available  
pH : 7.2 – 7.6  
Evaporation rate : No additional information available  
Melting point / Freezing point : Freezing point: Not applicable  
Boiling point : No data available  
Flash point : Not applicable  
Auto-ignition temperature : Not applicable  
Flammability : Non flammable  
Vapour pressure : No additional information available  
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

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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.

Membrane Lauryl Sulfate Broth	
Unknown acute toxicity (GHS NZ)Unknown acute toxicity (GHS NZ)	96.88% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 96.88% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 96.88% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

Sodium dodecyl sulfate (151-21-3)	
LD50 oral rat	1200 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 oral	1200 mg/kg
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	> 2000 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Read-across, Dermal, 14 day(s))
LD50 dermal	200 mg/kg

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)

Skin corrosion/irritation	: Not classified. pH: 7.2 – 7.6
Serious eye damage/irritation	: Causes serious eye irritation.
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

Sodium dodecyl sulfate (151-21-3)	
STOT-single exposure	May cause respiratory irritation.

Phenol red (143-74-8)	
STOT-single exposure	May cause respiratory irritation.

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

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Viscosity, kinematic	Not applicable
Sodium dodecyl sulfate (151-21-3)	
Viscosity, kinematic	Not applicable (solid)
Sodium pyruvate (113-24-6)	
Viscosity, kinematic	Not applicable (solid)

## SECTION 12: Ecological information

### 12.1. Ecotoxicity

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

Sodium dodecyl sulfate (151-21-3)	
LC50 - Fish [1]	29 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Lethal)
EC50 - Crustacea [1]	0.12 mg/l
EC50 - Other aquatic organisms [1]	11.1 mg/l Test organisms (species): other aquatic crustacea:
EC50 72h - Algae [1]	> 120 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h - Algae [2]	53 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
ErC50 algae	> 120 mg/l (DIN 38412-9, 72 h, Scenedesmus subspicatus, Static system, Fresh water, Experimental value, Nominal concentration)
NOEC chronic fish	≥ 1.357 mg/l Test organisms (species): Pimephales promelas Duration: '42 d'
NOEC chronic crustacea	0.88 mg/l
Partition coefficient n-octanol/water (Log Pow)	≤ -2.03 (Calculated, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 20 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.5 – 2.7 (log Koc, Calculated value)
LD50 dermal rabbit	> 2000 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Read-across, Dermal, 14 day(s))
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 oral rat	1200 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))
Sodium pyruvate (113-24-6)	
LC50 - Fish [1]	> 100 mg/l (96 h, Pisces, QSAR, Nominal concentration)

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

Phenol red (143-74-8)	
LC50 - Fish [1]	12.25 mg/l Source: ECOSAR
BCF - Fish [1]	45.67 l/kg (BCFBAF v3.01, Calculated value, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	3.02 (Experimental value)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	5.329 (log Koc, SRC PCKOCWIN v2.0, Calculated value)

### 12.2. Persistence and degradability

Membrane Lauryl Sulfate Broth	
Persistence and degradability	Not rapidly degradable

Sodium dodecyl sulfate (151-21-3)	
Persistence and degradability	Readily biodegradable in water.

Sodium pyruvate (113-24-6)	
Persistence and degradability	Readily biodegradable in water.

Phenol red (143-74-8)	
Persistence and degradability	Not readily biodegradable in water.

### 12.3. Bioaccumulative potential

Membrane Lauryl Sulfate Broth	
Bioaccumulative potential	No additional information available

Sodium dodecyl sulfate (151-21-3)	
Partition coefficient n-octanol/water (Log Pow)	≤ -2.03 (Calculated, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 20 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.5 – 2.7 (log Koc, Calculated value)
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.

Phenol red (143-74-8)	
BCF - Fish [1]	45.67 l/kg (BCFBAF v3.01, Calculated value, Fresh weight)

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Phenol red (143-74-8)	
Partition coefficient n-octanol/water (Log Pow)	3.02 (Experimental value)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	5.329 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

### 12.4. Mobility in soil

Membrane Lauryl Sulfate Broth	
Mobility in soil	No additional information available

Sodium dodecyl sulfate (151-21-3)	
Surface tension	25.2 mN/m (23 °C, 1 g/l, EU Method A.5: Surface tension)
Partition coefficient n-octanol/water (Log Pow)	≤ -2.03 (Calculated, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 20 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.5 – 2.7 (log Koc, Calculated value)
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.

Phenol red (143-74-8)	
Partition coefficient n-octanol/water (Log Pow)	3.02 (Experimental value)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	5.329 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology - soil	Adsorbs into the soil.

### 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.
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.
Additional information	: Do not re-use empty containers.

## SECTION 14: Transport information

In accordance with IMDG / IATA / UN RTDG

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IMDG	IATA	UNRTDG
<b>14.1. UN number</b>		
Not regulated	Not regulated	Not applicable
<b>14.2. UN Proper Shipping Name</b>		
Not regulated	Not regulated	Not applicable
<b>14.3. Transport hazard class(es)</b>		
Not regulated	Not regulated	Not applicable
<b>14.4. Packing group</b>		
Not regulated	Not regulated	Not applicable
<b>14.5. Environmental hazards</b>		
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

#### Sodium dodecyl sulfate (151-21-3)

##### Hazardous Substances and New Organisms Act

HSNO Approval Number	HSR003122
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### 15.2. Chemical safety assessment

Australian Inventory of Industrial Chemicals (AICIS)	All disclosed substances are listed
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## SECTION 16: Other information

Issue date	: 1/10/2025
Revision date	: 7/04/2026
Supersedes	: 1/10/2025

### Full text of H-statements

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4

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Full text of H-statements	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Flam. Sol. 2	Flammable solids, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H228	Flammable solid
H302	Harmful if swallowed
H312	Harmful in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
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.