

### SECTION 1 Identification

#### 1.1. GHS Product identifier

Product form	: Mixture
Trade name	: Enterobacteriaceae Enrichment (EE) Broth Mossel
Type of product	: Food Safety -- [Food Safety]
Product code	: NCM0057

#### 1.2. Other means of identification

Part Number(s)	: NCM0057 400000774 700003125 NCM0057A 700003126 NCM0057B 700003127 NCM0057C 700004438 NCM0057D
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#### 1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture	: Laboratory chemicals, Scientific research and development
Recommended use	: Scientific research and development, Laboratory chemicals

#### 1.4. Supplier's details

##### Manufacturer

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

#### 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)
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### SECTION 2 Hazard identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS CA)

Skin corrosion/irritation, Category 2	H315	Causes skin irritation.
Serious eye damage/eye irritation, Category 2	H319	Causes serious eye irritation.
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	H335	May cause respiratory irritation.
Hazardous to the aquatic environment, Chronic Hazard, Category 3	H412	Harmful to aquatic life with long lasting effects.
Full text of H statements : see section 16		

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

##### GHS CA labeling

Hazard pictograms (GHS CA) :



Signal word (GHS CA) : Warning

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according to the Hazardous Products Regulation (WHMIS 2015)

Hazard statements (GHS CA)	: H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation H412 - Harmful to aquatic life with long lasting effects
Precautionary statements (GHS CA)	: P261 - Avoid breathing dust, fume, gas, mist, vapors, spray. P264 - Wash hands, forearms and face thoroughly after handling. P271 - Use only outdoors or in a well-ventilated area. P273 - Avoid release to the environment. P280 - Wear protective gloves, protective clothing, eye protection, face protection, and hearing protection. P302+P352 - IF ON SKIN: Wash with plenty of water. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312 - Call a POISON CENTER or a doctor if you feel unwell. P321 - Specific treatment (see supplemental first aid instruction on this label). P332+P313 - If skin irritation occurs: Get medical advice or attention. P337+P313 - If eye irritation persists: Get medical advice or attention. P362+P364 - Take off contaminated clothing and wash it before reuse. P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P405 - Store locked up. P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

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

No additional information available

## SECTION 3 Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
Oxbile (Oxgall)	-	CAS-No.: 8008-63-7	≥ 25 – < 50	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335

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Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
Sodium cholate	(3 $\alpha$ ,5 $\beta$ ,7 $\alpha$ ,12 $\alpha$ )-3,7,12-Trihydroxycholan-24-oic acid monosodium salt ; Cholic acid monosodium salt 3 $\alpha$ ,7 $\alpha$ ,12 $\alpha$ -trihydroxy-5 $\beta$ -cholanic acid sodium salt / cholan-24-oic acid, 3,7,12-trihydroxy-, monosodium salt, (3 $\alpha$ ,5 $\beta$ ,7 $\alpha$ ,12 $\alpha$ )- / cholic acid sodium salt / cholic acid, monosodium salt / DS-Na / sodium cholate / sodium cholic acid	CAS-No.: 361-09-1	$\geq 1 - < 5$	Aquatic Acute 3, H402 Aquatic Chronic 3, H412

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Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
Sodium deoxycholate	3,12-Dihydroxycholan-24-oic acid sodium salt ; Deoxychoic acid sodium salt 3 alpha, 12 alpha-dihydroxy-5-beta-cholan-24-oic acid, sodium salt / 3,12-dihydroxy-cholan-24-oic acid monosodium salt, (3-alpha, / 3-alpha,12-alpha-dihydroxy-5-beta-cholan-24-oic acid, sodium salt / 5-beta-cholan-24-oic acid, 3-alpha, 12-alpha-dihydroxy-, sod / cholan-24-oic acid, 3,12-dihydroxy-, monosodium salt, (3alpha,5beta,12alpha)- / deoxycholate sodium / deoxycholic acid sodium salt / deoxycholic acid, sodium salt / desoxycholate sodium / sodium 7-deoxycholate / sodium deoxycholate / sodium deoxycholic acid	CAS-No.: 302-95-4	≥ 1 – < 5	Acute Tox. 4 (Oral), H302 STOT SE 3, H335

Full text of hazard classes and H-statements : see section 16

## SECTION 4 First-aid measures

### 4.1. Description of necessary first-aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor/physician if you feel unwell.
- First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.

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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/doctor/physician if you feel unwell.
First-aid measures general	: Call a poison center/doctor/physician if you feel unwell.
Personal protection for first-aid responders.	: First aid workers will be equipped with suitable personal protective equipment.

### 4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: Irritation.
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after ingestion	: None under normal conditions.

### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment	: Treat symptomatically.
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## SECTION 5 Fire-fighting measures

### 5.1. Suitable 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.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

### 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.
Environmental precautions	: Avoid release to the environment.

### 6.2. 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.
Other information	: Dispose of materials or solid residues at an authorized site.

For further information refer to section 13.

## SECTION 7 Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling	: Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes. Wear personal protective equipment.
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according to the Hazardous Products Regulation (WHMIS 2015)

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.  
Always wash hands after handling the product.

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

Technical measures : Keep in a cool, well-ventilated place away from heat.  
Storage conditions : Store locked up. Store in a well-ventilated place. Keep container tightly closed.  
Storage temperature : 2 – 30 °C  
Packaging materials : Store always product in container of same material as original container.

## SECTION 8 Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

### 8.3. 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):



## SECTION 9 Physical and chemical properties

### 9.1. Basic physical and chemical properties

Physical state : Solid  
Appearance : Powder.  
Color : Light green  
Odor : Characteristic  
Odor threshold : No data available

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according to the Hazardous Products Regulation (WHMIS 2015)

pH	: 7 – 7.4
Relative evaporation rate (butyl acetate=1)	: No data available
Relative evaporation rate (ether=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 (solid, gas)	: Non flammable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: Not applicable
Explosion limits	: Not applicable
Particle characteristics	: No data available

### 9.2. Data relevant with regard to physical hazard classes (supplemental)

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.
Hardening time:	: No additional information available

## SECTION 11 Toxicological information

### 11.1. Likely routes of exposure

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

Enterobacteriaceae Enrichment (EE) Broth Mossel	
Unknown acute toxicity (GHS CA)	57.76% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 73.31% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) 73.31% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))
Sodium cholate (361-09-1)	
LD50 oral	2400 mg/kg body weight Animal: mouse
ATE CA (oral)	2400 mg/kg body weight
Sodium deoxycholate (302-95-4)	
LD50 oral rat	1370 mg/kg (Rat, Oral)
ATE CA (oral)	1370 mg/kg body weight

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according to the Hazardous Products Regulation (WHMIS 2015)

Skin corrosion/irritation : Causes skin irritation.  
pH: 7 – 7.4

Sodium cholate (361-09-1)	
pH	8 – 9.5 (5 %)

Sodium deoxycholate (302-95-4)	
pH	7.5 – 9 (2 %)

Serious eye damage/irritation : Causes serious eye irritation.  
pH: 7 – 7.4

Sodium cholate (361-09-1)	
pH	8 – 9.5 (5 %)

Sodium deoxycholate (302-95-4)	
pH	7.5 – 9 (2 %)

Respiratory or skin sensitization : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
STOT-single exposure : May cause respiratory irritation.

Oxbile (Oxgall) (8008-63-7)	
STOT-single exposure	May cause respiratory irritation.

Sodium deoxycholate (302-95-4)	
STOT-single exposure	May cause respiratory irritation.

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

Enterobacteriaceae Enrichment (EE) Broth Mossel	
Viscosity, kinematic	Not applicable

Sodium deoxycholate (302-95-4)	
Viscosity, kinematic	Not applicable (solid)

Symptoms/effects after inhalation : May cause respiratory irritation.  
Symptoms/effects after skin contact : Irritation.  
Symptoms/effects after eye contact : Eye irritation.  
Symptoms/effects after ingestion : None under normal conditions.

## SECTION 12 Ecological information

### 12.1. Toxicity

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

Sodium cholate (361-09-1)	
LC50 - Fish [1]	45356.434 mg/l Source: Ecological Structure Activity Relationships
EC50 - Other aquatic organisms [1]	35.8713 mg/l Test organisms (species):

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Sodium cholate (361-09-1)	
EC50 72h - Algae [1]	169.7059 mg/l Test organisms (species):
EC50 96h - Algae [1]	22734.682 mg/l Source: Ecological Structure Activity Relationships
Sodium deoxycholate (302-95-4)	
LC50 - Fish [1]	1592.185 mg/l Source: ECOSAR
EC50 96h - Algae [1]	968.709 mg/l Source: ECOSAR

### 12.2. Persistence and degradability

Enterobacteriaceae Enrichment (EE) Broth Mossel	
Persistence and degradability	Not rapidly degradable
Oxbile (Oxgall) (8008-63-7)	
Persistence and degradability	Not rapidly degradable
Sodium cholate (361-09-1)	
Persistence and degradability	Not readily biodegradable in water.
Sodium deoxycholate (302-95-4)	
Persistence and degradability	Biodegradability in water: no data available.

### 12.3. Bioaccumulative potential

Sodium cholate (361-09-1)	
Bioaccumulative potential	Not bioaccumulative.
Partition coefficient n-octanol/water (Log Pow)	-0.29 (Calculated, KOWWIN)
Sodium deoxycholate (302-95-4)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
Partition coefficient n-octanol/water (Log Pow)	1.24 (Estimated value)

### 12.4. Mobility in soil

Sodium cholate (361-09-1)	
Mobility in soil	1140 Source: Quantitative Structure Activity Relation
Ecology - soil	Highly mobile in soil.
Sodium deoxycholate (302-95-4)	
Ecology - soil	No (test)data on mobility of the substance available.

### 12.5. Other adverse effects

Ozone : Not classified  
Fluorinated greenhouse gases : No

## SECTION 13 Disposal considerations

Regional waste regulation : Disposal must be done according to official regulations.  
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Sewage disposal recommendations : Disposal must be done according to official regulations.

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according to the Hazardous Products Regulation (WHMIS 2015)

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 TDG / DOT / IMDG / IATA

TDG	DOT	IMDG	IATA
<b>14.1. UN Number</b>			
Not regulated for transport			
<b>14.2. UN Proper Shipping Name</b>			
Not regulated	Not regulated	Not regulated	Not regulated
<b>14.3. Transport hazard class(es)</b>			
Not regulated	Not regulated	Not regulated	Not regulated
<b>14.4. Packing group, if applicable</b>			
Not regulated	Not regulated	Not regulated	Not regulated
<b>14.5. Environmental hazards</b>			
Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available			

### 14.6. Special precautions for user

#### TDG

Not regulated

#### DOT

Not regulated

#### IMDG

Not regulated

#### IATA

Not regulated

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78<sup>9</sup> and the IBC Code<sup>10</sup>

Not applicable

### SECTION 15 Regulatory information

#### Oxbile (Oxgall) (8008-63-7)

##### Listed on the Canadian DSL (Domestic Substances List)

Canada DSL & NDSL Flags	Significant New Activity (SNAc) provisions of the Act apply
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#### Sodium cholate (361-09-1)

##### Listed on the Canadian DSL (Domestic Substances List)

Canada DSL & NDSL Flags	Significant New Activity (SNAc) provisions of the Act apply
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according to the Hazardous Products Regulation (WHMIS 2015)

<b>Sodium deoxycholate (302-95-4)</b>	
<b>Listed on the Canadian DSL (Domestic Substances List)</b>	
Canada DSL & NDSL Flags	Significant New Activity (SNAc) provisions of the Act apply

<b>Oxbile (Oxgall) (8008-63-7)</b>
<b>Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active</b>

<b>Sodium cholate (361-09-1)</b>
<b>Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active</b>
<b>Listed on INSQ (Mexican National Inventory of Chemical Substances)</b>

<b>Sodium deoxycholate (302-95-4)</b>
<b>Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active</b>
<b>Listed on INSQ (Mexican National Inventory of Chemical Substances)</b>

## SECTION 16 Other Information

Issue date : 05-14-2025  
Revision date : 10-08-2025  
Supersedes : 09-29-2025

<b>Full text of hazard classes and H-statements:</b>	
H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H402	Harmful to aquatic life
H412	Harmful to aquatic life with long lasting effects

Safety Data Sheet (SDS), Canada

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.