



# Neogen® Sample Handling Products- Lethen Broth

## Safety Data Sheet

according to the DENR EMB MC 2015-011 and DAO 2015-09 Guidance Manual  
Issue date: 10/11/2025 Revision date: 22/07/2026 Supersedes: 24/06/2026 Version: 5.0

### SECTION 1: Identification

#### 1.1. Product identifier

Trade name : Neogen® Sample Handling Products- Lethen Broth  
Name : Neogen Sample Handling Products- Lethen Broth  
Product code SHP-LET

#### 1.2. Other means of identification

Part Number(s) : RS9601LET|RS9604LET|RS9605LET|RS96010LET|BPPFV10LB|BPPFV10LB|SSL10LET2G|SSL10LET2G|HS10LET|HS10LET2G|700002009|700002010|700002012|700002039|700002044|700002047|700002108|700002109|700002200|700002205|700002206|700002007|6433|6432

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

No additional information available

#### 1.4. Supplier's details

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

#### 1.5. Emergency telephone number

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

### SECTION 2: Hazards identification

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

Not classified

#### 2.2. Label elements

No additional information available

#### 2.3. Other hazards

No additional information available

### SECTION 3: Composition / information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

| Name                   | Product identifier  | %             | GHS PH classification |
|------------------------|---------------------|---------------|-----------------------|
| Water                  | CAS-No.: 7732-18-5  | ≥95           | Not classified        |
| Proteose peptone No. 3 | CAS-No.: 73049-73-7 | ≥ 1 – < 5     | Not classified        |
| Tween 80               | CAS-No.: 9005-65-6  | ≥ 0.1 – < 0.5 | Not classified        |

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| Name                         | Product identifier  | %             | GHS PH classification |
|------------------------------|---------------------|---------------|-----------------------|
| Sodium chloride              | CAS-No.: 7647-14-5  | ≥ 0.1 – < 0.5 | Not classified        |
| Meat extracts, beef          | CAS-No.: 68990-09-0 | ≥ 0.1 – < 0.5 | Not classified        |
| Lecithin (phosphoglycerides) | CAS-No.: 8002-43-5  | < 0.1         | Not classified        |

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

|                                       |                                                                                                                                    |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures general            | : If you feel unwell, seek medical advice.                                                                                         |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.                                                                   |
| First-aid measures after skin contact | : Wash skin with plenty of water.                                                                                                  |
| 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-aid      | : First-aiders should pay attention to their own protection and use the recommended personal protective equipment (see section 8). |

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

|                                     |                                 |
|-------------------------------------|---------------------------------|
| 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. Indication of any immediate medical attention and special treatment needed

|                                   |                          |
|-----------------------------------|--------------------------|
| Other medical advice or treatment | : Treat symptomatically. |
|-----------------------------------|--------------------------|

### SECTION 5: Fire-fighting measures

#### 5.1. Extinguishing media

|                                |                                                  |
|--------------------------------|--------------------------------------------------|
| Suitable extinguishing media   | : Water spray. Dry powder. Foam. Carbon dioxide. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.               |

#### 5.2. Special hazards arising from the substance or mixture

|                  |                                                                                                                                            |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Fire hazard      | : No fire hazard.                                                                                                                          |
| Explosion hazard | : No direct explosion hazard.                                                                                                              |
| Reactivity       | : The product is non-reactive under normal conditions of use, storage and transport.                                                       |
| General measures | : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.<br>Absorb spillage to prevent material damage. |

#### 5.3. Special protective actions for fire-fighters

|                                |                                                                                                                                                       |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Firefighting instructions      | : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.              |

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

|                  |                                                                                                                                            |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| General measures | : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.<br>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.                        |

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### 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 material 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  | : Keep cool. Protect from sunlight.                                         |
| Packaging materials | : Always store product in container of same material as original container. |

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

#### Exposure limit values for the other components

No additional information available

### 8.2. Monitoring

No additional information available

### 8.3. Appropriate engineering controls

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| Appropriate engineering controls | : Ensure good ventilation of the work station. |
|----------------------------------|------------------------------------------------|

### 8.4. Personal protective equipment

#### Personal protective equipment:

Wear recommended personal protective equipment.

#### Hand protection:

Protective gloves

#### Eye protection:

Safety glasses

#### Skin and body protection:

Wear suitable protective clothing

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### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

### Personal protective equipment symbol(s):



Environmental exposure controls

: Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                                                 |                     |
|-------------------------------------------------|---------------------|
| Physical state                                  | : Liquid            |
| Appearance                                      | : No data available |
| Colour                                          | : Beige             |
| Odour                                           | : Slight            |
| Odour threshold                                 | : No data available |
| pH                                              | : No data available |
| Relative evaporation rate (butylacetate=1)      | : No data available |
| Melting point                                   | : Not applicable    |
| Freezing point                                  | : No data available |
| Boiling point                                   | : No data available |
| Flash point                                     | : No data available |
| Auto-ignition temperature                       | : No data available |
| Decomposition temperature                       | : No data available |
| Flammability                                    | : Non flammable     |
| Vapour pressure                                 | : No data available |
| Relative vapour density at 20°C                 | : No data available |
| Relative density                                | : No data available |
| Solubility                                      | : Soluble in water. |
| Partition coefficient n-octanol/water (Log Kow) | : No data available |
| Viscosity, kinematic                            | : No data available |
| Explosive limits                                | : No data available |
| Lower explosive limit (LEL)                     | : No data available |
| Upper explosive limit (UEL)                     | : No data available |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

|                                    |                                                                                                       |
|------------------------------------|-------------------------------------------------------------------------------------------------------|
| Reactivity                         | : The product is non-reactive under normal conditions of use, storage and transport                   |
| Chemical stability                 | : Stable under normal conditions                                                                      |
| Possibility of hazardous reactions | : No dangerous reactions known under normal conditions of use                                         |
| Conditions to avoid                | : None under recommended storage and handling conditions (see section 7)                              |
| Incompatible materials             | : No additional information available                                                                 |
| Hazardous decomposition products   | : Under normal conditions of storage and use, hazardous decomposition products should not be produced |

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### SECTION 11: Toxicological information

#### 11.1. Acute toxicity

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

#### Water (7732-18-5)

|               |             |
|---------------|-------------|
| LD50 oral rat | 90000 mg/kg |
|---------------|-------------|

#### Sodium chloride (7647-14-5)

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

#### Lecithin (phosphoglycerides) (8002-43-5)

|               |              |
|---------------|--------------|
| LD50 oral rat | > 8000 mg/kg |
|---------------|--------------|

|                                   |                  |
|-----------------------------------|------------------|
| 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                                                                                                        |

#### Water (7732-18-5)

|                                                 |       |
|-------------------------------------------------|-------|
| Partition coefficient n-octanol/water (Log Pow) | -1.38 |
|-------------------------------------------------|-------|

#### Tween 80 (9005-65-6)

|                      |                            |
|----------------------|----------------------------|
| LC50 - Fish [1]      | 817.89 mg/l Source: ECOSAR |
| EC50 96h - Algae [1] | 62.072 mg/l Source: ECOSAR |

#### Sodium chloride (7647-14-5)

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

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### 12.2. Persistence and degradability

| Neogen® Sample Handling Products- Lethen Broth |                                               |
|------------------------------------------------|-----------------------------------------------|
| Persistence and degradability                  | Not rapidly degradable                        |
| Water (7732-18-5)                              |                                               |
| Persistence and degradability                  | Not rapidly degradable                        |
| Proteose peptone No. 3 (73049-73-7)            |                                               |
| Persistence and degradability                  | Not rapidly degradable                        |
| Tween 80 (9005-65-6)                           |                                               |
| Persistence and degradability                  | Biodegradability in water: no data available. |
| Sodium chloride (7647-14-5)                    |                                               |
| Persistence and degradability                  | Biodegradability: not applicable.             |
| Chemical oxygen demand (COD)                   | Not applicable (inorganic)                    |
| ThOD                                           | Not applicable (inorganic)                    |
| Meat extracts, beef (68990-09-0)               |                                               |
| Persistence and degradability                  | Not rapidly degradable                        |
| Lecithin (phosphoglycerides) (8002-43-5)       |                                               |
| Persistence and degradability                  | Biodegradability in water: no data available. |

### 12.3. Bioaccumulative potential

| Neogen® Sample Handling Products- Lethen Broth  |                                     |
|-------------------------------------------------|-------------------------------------|
| Bioaccumulative potential                       | No additional information available |
| Water (7732-18-5)                               |                                     |
| Partition coefficient n-octanol/water (Log Pow) | -1.38                               |
| Tween 80 (9005-65-6)                            |                                     |
| Bioaccumulative potential                       | No bioaccumulation data available.  |
| Sodium chloride (7647-14-5)                     |                                     |
| Bioaccumulative potential                       | Not bioaccumulative.                |
| Lecithin (phosphoglycerides) (8002-43-5)        |                                     |
| Bioaccumulative potential                       | No bioaccumulation data available.  |

### 12.4. Mobility in soil

| Neogen® Sample Handling Products- Lethen Broth  |                                                        |
|-------------------------------------------------|--------------------------------------------------------|
| Mobility in soil                                | No additional information available                    |
| Water (7732-18-5)                               |                                                        |
| Partition coefficient n-octanol/water (Log Pow) | -1.38                                                  |
| Sodium chloride (7647-14-5)                     |                                                        |
| Surface tension                                 | 73.03 mN/m (23 °C, 14.5 g/l)                           |
| Ecology - soil                                  | No (test) data on mobility of the substance available. |

### 12.5. Other adverse affects

Ozone : Not classified

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Other adverse effects : No additional information available

### SECTION 13: Disposal consideration

Sewage disposal recommendations : Disposal must be done according to official regulations.  
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Product/Packaging disposal recommendations : 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         |
|-----------------------------------------|---------------|----------------|
| <b>14.1. UN number</b>                  |               |                |
| Not regulated                           | Not regulated | Not applicable |
| <b>14.2. 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

**UN RTDG**  
Not applicable

**IMDG**  
Not regulated

**IATA**  
Not regulated

#### 14.7. Transport in bulk according to Annex II of Marpol 73/78 and the IBC Code

Not applicable

### SECTION 15: Regulatory information

#### 15.1. National regulations

No additional information available

#### 15.2. International regulations

No additional information available

### SECTION 16: Other information

Version : 5.0  
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Supersedes : 24/06/2026

Safety Data Sheet (SDS), Philippines

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.