



SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

Page 1/8

Campylobacter Enrichment Broth (Bolton Broth)

Revision 1
Revision date 2018-08-26

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

| | |
|--------------|---|
| Product name | Campylobacter Enrichment Broth (Bolton Broth) |
| Product code | NCM0094, 7526, LAB135 |

1.2. Relevant identified uses of the substance or mixture and uses advised against

| | |
|-------------|---|
| Product Use | [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PROC15] Use as laboratory reagent; |
|-------------|---|

1.3. Details of the supplier of the safety data sheet

| | |
|-----------|---|
| Company | Neogen Corporation |
| Address | 620 Leshar Place Lansing MI 48912 USA |
| Web | www.neogen.com |
| Telephone | 517-372-9200/800-234-5333 |
| Email | regulatorysupport@neogen.com |

1.4. Emergency telephone number

| | |
|----------------------------|----------------|
| Emergency telephone number | 1-800-234-5333 |
|----------------------------|----------------|

Further information

| | |
|------------------|---|
| Manufactured By: | Neogen Corporation 740 East Shiawassee Lansing, MI 48912 U.S.A. Neogen Corporation 1 Quest Park-Moss Hall Road Heywood Lancashire BL97JJ UK. |
| Hotline(s): | Medical: United States (1-800-498-5743), International (1-651-523-0318). Spill/CHEMTREC: United States (1-800-424-9300), International (1-703-527-3887). |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

| | |
|-----------------------------|---------------------|
| 2.1.2. Classification - GHS | Eye Irrit. 2: H319; |
|-----------------------------|---------------------|


2.2. Label elements

| | |
|--|--|
| | P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children. P501 - Dispose of contents/container to an appropriate waste site or reclaim (in accordance with local/regional/national/international regulation). |
|--|--|

Campylobacter Enrichment Broth (Bolton Broth)

Revision 1
Revision date 2018-08-26

2.2. Label elements

| | |
|-------------------------------------|--|
| Hazard pictograms |  |
| Signal Word | Warning |
| Hazard Statement | Eye Irrit. 2: H319 - Causes serious eye irritation. |
| Precautionary Statement: Prevention | P264 - Wash thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection. |
| Precautionary Statement: Response | P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention. |

2.3. Other hazards

| | |
|---------------|--|
| Other hazards | This product is not identified as a PBT substance. |
|---------------|--|

SECTION 3: Composition/information on ingredients

3.2. Mixtures

EC 1272/2008

| Chemical Name | Index No. | CAS No. | EC No. | REACH Registration Number | Conc. (%w/w) | Classification |
|----------------------|--------------|-----------|-----------|---------------------------|--------------|---------------------------------------|
| Sodium carbonate | 011-005-00-2 | 497-19-8 | 207-838-8 | | 1 - 10% | Eye Irrit. 2: H319; |
| Sodium metabisulfite | 016-063-00-2 | 7681-57-4 | 231-673-0 | | 1 - 10% | Acute Tox. 4: H302; Eye Dam. 1: H318; |

Full text for all Risk Phrases mentioned in this section are displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|--------------|---|
| Inhalation | In case of accident by inhalation: remove casualty to fresh air and keep at rest. |
| Eye contact | Contact lenses should be removed. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Risk of serious damage to eyes. Seek medical attention. |
| Skin contact | After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. |
| Ingestion | Keep the affected person warm and at rest. DO NOT INDUCE VOMITING unless advised to do so by a doctor. Rinse mouth thoroughly. |

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

| | |
|--------------|---|
| Inhalation | May cause irritation to respiratory system. |
| Eye contact | Risk of serious damage to eyes. |
| Skin contact | May cause irritation to skin. |
| Ingestion | Ingestion may cause nausea and vomiting. |

4.3. Indication of any immediate medical attention and special treatment needed

| | |
|--------------|--|
| Inhalation | Seek medical attention if irritation or symptoms persist. |
| Eye contact | Seek medical attention. |
| Skin contact | Seek medical attention if irritation or symptoms persist. |
| Ingestion | If you feel unwell, seek medical advice (show the label where possible). |

Campylobacter Enrichment Broth (Bolton Broth)

Revision 1
Revision date 2018-08-26

SECTION 5: Firefighting measures

5.1. Extinguishing media

Use as appropriate: Carbon dioxide (CO₂), Alcohol resistant foam, Powder.

5.2. Special hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes.

5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Wear suitable respiratory equipment when necessary. Wear suitable protective clothing, gloves and eye/face protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid raising dust. Wear suitable protective clothing, gloves and eye/face protection.

6.2. Environmental precautions

Do not empty into drains; dispose of this material and its container in a safe way.

6.3. Methods and material for containment and cleaning up

Avoid raising dust. Sweep up. Dispose of in compliance with all local and national regulations.

6.4. Reference to other sections

See section 8 & 13 for further information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Do not eat, drink or smoke in areas where this product is used or stored. Wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Store at temperatures between 2 °C and 30 °C. Store in original container. Keep container tightly closed. Protect from moisture.

7.3. Specific end use(s)

See section 1.2 for further information.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects.

Exposure Limit Values


| | | |
|----------------------|--|---|
| Sodium metabisulfite | ACGIH TLV TWA: 5 mg/m ³ | ACGIH TLV STEL: - |
| | Notations: A4 | OSHA PEL 8hr TWA ppm: - |
| | OSHA PEL 8hr TWA mg m ³ : - | Skin Designation: - |
| | NIOSH REL 10hr TWA ppm: | NIOSH REL 10hr TWA mg m ³ : |
| | NIOSH REL 15 min ST ppm: | NIOSH REL 15 min ST mg m ³ : |

8.2. Exposure controls

Campylobacter Enrichment Broth (Bolton Broth)

Revision 1
Revision date 2018-08-26

8.2. Exposure controls

| | |
|--|--|
| |  |
| Appropriate engineering controls | Ensure adequate ventilation of the working area. |
| Individual protection measures | Use as appropriate: |
| Eye / face protection | safety glasses with side-shields. |
| Skin protection - Hand protection | Chemical resistant gloves. |
| Skin protection - Other | Wear suitable protective clothing. |
| Respiratory protection | Do not breathe dust. In case of insufficient ventilation, wear suitable respiratory equipment. |
| Thermal hazards | No data is available on this product. |
| 8.2.3. Environmental exposure controls | Avoid release to the environment. Refer to special instructions/Safety data sheets. See section 7 for further information. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---------------------------------|-------------------|
| State | Powder |
| Color | Beige |
| Odor | Characteristic |
| Odour threshold | Not applicable. |
| pH | 7.2 - 7.6 |
| Melting point | No data available |
| Freezing Point | No data available |
| Boiling point | No data available |
| Flash point | Not applicable. |
| Evaporation rate | No data available |
| Flammability limits | Not applicable. |
| Vapor pressure | Not applicable. |
| Vapor density | Not applicable. |
| Relative density | No data available |
| Fat Solubility | No data available |
| Partition coefficient | No data available |
| Autoignition temperature | Not applicable. |
| Viscosity | No data available |
| Explosive properties | Not applicable. |
| Oxidising properties | Not applicable. |
| Solubility | Soluble in water |

9.2. Other information

Campylobacter Enrichment Broth (Bolton Broth)

Revision 1
Revision date 2018-08-26

9.2. Other information

| | |
|----------------------------------|-------------------|
| Conductivity | No data available |
| Surface tension | No data available |
| Gas group | Not applicable. |
| Benzene Content | No data available |
| Lead content | No data available |
| VOC (Volatile organic compounds) | No data available |

SECTION 10: Stability and reactivity

10.1. Reactivity

| | |
|--|--|
| | Stable under normal conditions. See section 7 for further information. |
|--|--|

10.2. Chemical stability

| | |
|--|---|
| | Will not decompose if stored and used as recommended. |
|--|---|

10.3. Possibility of hazardous reactions

| | |
|--|--|
| | No precautions required to be mentioned. Stable under normal conditions. |
|--|--|

10.4. Conditions to avoid

| | |
|--|--|
| | No precautions required to be mentioned. |
|--|--|

10.5. Incompatible materials

| | |
|--|--|
| | No precautions required to be mentioned. |
|--|--|

10.6. Hazardous decomposition products

| | |
|--|---|
| | Carbon oxides, Organic materials may be formed in fire conditions. Fire will produce dense black smoke. |
|--|---|

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|-----------------------------------|--|
| Acute toxicity | No data is available on this product. See section 3 for further information. |
| Skin corrosion/irritation | May cause irritation to skin. See section 3 for further information. |
| Serious eye damage/irritation | May cause irritation to eyes. See section 3 for further information. |
| Respiratory or skin sensitisation | May cause sensitization by inhalation and skin contact. See section 3 for further information. |
| Germ cell mutagenicity | No data is available on this product. |
| Carcinogenicity | No data is available on this product. |
| Reproductive toxicity | No data is available on this product. |
| STOT-single exposure | No data is available on this product. |
| STOT-repeated exposure | No data is available on this product. |
| Aspiration hazard | No data is available on this product. See section 3 for further information. |
| Repeated or prolonged exposure | No data is available on this product. See section 3 for further information. |

11.1.2. Mixtures

| | |
|--|--|
| | See section 3 for further information. |
|--|--|

11.1.3. Hazard Information

| | |
|--|--|
| | See section 3 for further information. |
|--|--|

11.1.4. Toxicological information

Campylobacter Enrichment Broth (Bolton Broth)

Revision 1
Revision date 2018-08-26

11.1.4. Toxicological information

| | |
|--|---------------------------------------|
| | No data available |
| | No data is available on this product. |

11.1.5. Hazard Class

| | |
|--|--|
| | See section 2 for further information. |
|--|--|

11.1.6. Classification Criteria

| | |
|--|--|
| | See section 2 for further information. |
|--|--|

11.1.7. Information on likely routes of exposure

| | |
|--|---------------------------|
| | Skin contact. Inhalation. |
|--|---------------------------|

11.1.8. Symptoms related to the physical, chemical and toxicological characteristics

| | |
|--|---------------------------------------|
| | No data is available on this product. |
|--|---------------------------------------|

11.1.9. Delayed and immediate effects as well as chronic effects from short and long-term exposure

| | |
|--|---------------------------------------|
| | No data is available on this product. |
|--|---------------------------------------|

11.1.10. Interactive effects

| | |
|--|---------------------------------------|
| | No data is available on this product. |
|--|---------------------------------------|

11.1.11. Absence of specific data

| | |
|--|--------------------|
| | No data available. |
|--|--------------------|

11.1.12. Mixture versus substance information

| | |
|--|-----------------|
| | Not applicable. |
|--|-----------------|

11.1.13. Other information

| | |
|--|-----------------|
| | Not applicable. |
|--|-----------------|

SECTION 12: Ecological information

12.1. Toxicity

| | |
|--|-------------------|
| | No data available |
|--|-------------------|

12.2. Persistence and degradability

| | |
|--|---------------------------------------|
| | No data is available on this product. |
|--|---------------------------------------|

12.3. Bioaccumulative potential

| | |
|--|---------------------------------------|
| | No data is available on this product. |
|--|---------------------------------------|

Partition coefficient

| | |
|--|---|
| | Campylobacter Enrichment Broth (Bolton Broth) No data available |
|--|---|

12.4. Mobility in soil

| | |
|--|---------------------------------------|
| | No data is available on this product. |
|--|---------------------------------------|

12.5. Results of PBT and vPvB assessment

| | |
|--|---------------------------------------|
| | No data is available on this product. |
|--|---------------------------------------|

12.6. Other adverse effects

| | |
|--|--------------------|
| | No data available. |
|--|--------------------|

Campylobacter Enrichment Broth (Bolton Broth)

Revision 1
Revision date 2018-08-26

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of in compliance with all local and national regulations.

Disposal methods

Contact a licensed waste disposal company. Do not flush into surface water. This material and its container must be disposed of in a safe way.

Disposal of packaging

Empty containers can be sent for disposal or recycling. Containers can be recycled if in compliance with local and national regulations. Do NOT reuse empty containers.

SECTION 14: Transport information

14.1. UN number

The product is not classified as dangerous for carriage.

14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

14.4. Packing group

The product is not classified as dangerous for carriage.

14.5. Environmental hazards

The product is not classified as dangerous for carriage.

14.6. Special precautions for user

The product is not classified as dangerous for carriage.

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

The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulations

Hazard Communication Standard: 29 Code of Federal Regulations 1910.1200: Occupational Safety and Health Standards: Z: Toxic and Hazardous Substances: Hazard Communication.

15.2. Chemical safety assessment

No data is available on this product.

Inventories

| Ingredient | TSCA | MA | SARA313 | CALPROP65 | CWA307 | CAA112 | CWA311 | SARA302 | SARA304 |
|--|------|----|---------|-----------|--------|--------|--------|---------|---------|
| Sodium carbonate (Carbonic acid disodium salt) | Y | N | N | N | N | N | N | N | N |
| Sodium metabisulfite (Disulfurous acid, disodium salt) | Y | N | N | N | N | N | N | N | N |

SECTION 16: Other information

Other information

DISCLAIMER: The information and recommendations set forth herein ("Information") are presented in good faith and believed to be correct as of the date issued. No representation is made regarding the completeness or accuracy of the Information. Further, because of the many factors that affect

Campylobacter Enrichment Broth (Bolton Broth)

Revision 1
Revision date 2018-08-26

Other information

| | |
|--|---|
| | <p>the use of this product, the Information is supplied upon the condition that the person(s) receiving it will make their own determination regarding its suitability for their own unique purpose(s), prior to use.</p> <p>Except as expressly stated herein, NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF PERFORMANCE, USAGE OF TRADE, OR RESULTS TO BE OBTAINED BY USE OF THIS PRODUCT are made with respect to this product or use of this product. The product covered is furnished "as is" and only subject to the warranties herein provided, no liability is assumed resulting from the use of this product.</p> |
| <p>Revision</p> | <p>This document differs from the previous version in the following areas: 12 - 12.1. Toxicity.</p> |
| <p>Text of Hazard Statements in Section 3</p> | <p>Eye Irrit. 2: H319 - Causes serious eye irritation. EUH031 - Contact with acids liberates toxic gas. Acute Tox. 4: H302 - Harmful if swallowed. Eye Dam. 1: H318 - Causes serious eye damage.</p> |