

## SECTION 1 Identification of the substance/mixture and of the company

### 1.1 Product identifier

- Product Name: **M-Endo Broth - Ampoules**
- Product Part Number: **6500**

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

- Use of the substance/preparation: For the enumeration of coliforms in water by the membrane filtration method.
- Use advised against: No information available

### 1.3 Details of the supplier of the safety data sheet

- Name of Manufacturer: Neogen Corporation
- Address of Manufacturer: 620 Leshar Place  
Lansing, Michigan 48912  
USA
- Telephone: 517/372-9200
- Email: [foodsafety@neogen.com](mailto:foodsafety@neogen.com)

### 1.4 Emergency telephone number

- Emergency Telephone: Chemtrec: 1 (800) 424-9300  
Outside USA and Canada: +1 (703) 527-3887

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## SECTION 2 Hazards identification

### 2.1 Classification of the substance or mixture

Classification (29 CFR 1910.1200)

- Carcinogenicity, Cat. 2 (H351)

Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]

- Carcinogenicity, Cat. 2 (H351)

Classification (WHMIS 2015 HPR)

- Carcinogenicity, Cat. 2 (H351)

Additional information: For full text of Hazard statements: see Section 16.

### 2.2 Label elements



GHS08

- Signal Word: Warning
- Symbols: GHS08
- Hazard phrases  
Suspected of causing cancer.
- Precautionary Phrases  
Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Use personal protective equipment as required.  
IF exposed or concerned: Get medical advice/attention.  
Store locked up.  
Dispose of contents/container in accordance with local/regional/national/international regulations.

### 2.3 Other hazards

- May be mildly irritating to skin and eyes.
- May be mildly irritating to respiratory system.

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## SECTION 3 Composition/information on ingredients

### 3.1 Substances

## SECTION 3 Composition/information on ingredients (continued)

### 3.2 Mixtures

This product is a mixture of the substances listed below with the addition of non-hazardous materials

Chemical	Concentration	CAS No.	EC No.	H-Statements	Symbols
Basic fuchsin	<1%	58969-01-0	211-189-6	H351	GHS08
Ethanol	2%	64-17-5	200-578-6	H225	GHS02

## SECTION 4 First aid measures

### 4.1 Description of first aid measures

- General  
In case of doubt, or when symptoms persist, seek medical attention.  
In general, this product is not hazardous to humans or animals, but like any other chemical, it should be treated with care, respect, and common sense.
- Contact with skin  
Remove contaminated clothing.  
Wash affected area with plenty of soap and water.  
If skin irritation or rash occurs: Get medical advice/attention.  
Contaminated clothing should be laundered before reuse.
- Contact with eyes  
If substance has gotten into eyes, immediately wash out with plenty of water for at least 15 minutes.  
Irrigate eyes thoroughly while lifting eyelids.  
Seek medical advice if necessary.
- Ingestion  
Rinse mouth with water (do not swallow).  
Never make an unconscious person vomit or drink fluids.  
If medical advice is needed, have product container or label at hand.
- Inhalation  
If breathing is difficult, remove victim to fresh air and keep comfortable for breathing.  
Call a POISON CENTER or doctor/physician if you feel unwell.

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

- The most important known symptoms are described in the labeling (see Section 2.2) and/or in Section 11.

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

- Treat symptomatically.

## SECTION 5 Fire-fighting measures

### 5.1 Extinguishing media

- In case of fire: use water spray, foam, carbon dioxide or dry agent for extinction.

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

- Smoke from fires is toxic. Take precautions to protect personnel from exposure.
- See Section 10.

### 5.3 Advice for firefighters

- Keep container(s) exposed to fire cool, by spraying with water.
- Wear chemical protection suit and positive-pressure breathing apparatus, if necessary.
- Wear protective clothing as per Section 8.

### 5.4 Hazardous Combustion Products

- May include carbon oxides.

## SECTION 6 Accidental release measures

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

- Shut off all ignition sources.
- Use non-sparking hand tools.
- Remove contaminated clothing.
- Wear protective clothing as per Section 8.
- Wash thoroughly after dealing with spillage.

## SECTION 6 Accidental release measures (continued)

### 6.2 Environmental Precautions

- Do not allow to enter public sewers and watercourses.
- Avoid releasing to the environment.

### 6.3 Methods and material for containment and cleaning up

- Absorb spillage in inert material and shovel up.
- Place in sealable container.
- Seal containers and label them.
- Ventilate the area and wash spill site after material pick-up is complete.
- Dispose of contaminated materials and wastes in accordance with local/national/international regulations.

### 6.4 Reference to other sections

- See Section 7 for storage. For disposal, see Section 13.

## SECTION 7 Handling and storage

### 7.1 Precautions for safe handling

- Do not breathe dust/mist/vapors/fumes.
- Avoid contact with skin and eyes.
- Do not eat, drink, or smoke when using this product.
- Ensure adequate ventilation.
- Eyewash bottles should be available.
- Wash hands thoroughly after using this substance.

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

- Store at temperatures not exceeding 8°C/46°F. Keep cool.
- Store in a well-ventilated place. Keep container tightly closed.

### 7.3 Specific end use(s)

- For the enumeration of coliforms in water by the membrane filtration method.

## SECTION 8 Exposure controls/personal protection

### 8.1 Control parameters

Components with workplace control parameters

Component	CAS No.	Value	Control Parameters	Basis
Ethanol	64-17-5	TWA	1000 ppm, 1900 mg/m <sup>3</sup>	USA-OSHA Table Z-1 Limits for Air Contaminants - 1910.1000
		TWA	1000 ppm, 1900 mg/m <sup>3</sup>	USA-NIOSH Recommended Exposure Limits
		STEL	1000 ppm	USA-ACGIH Threshold Limit Values
		WEL	1000 ppm	UK - long term
		WEL	1920 mg/m <sup>3</sup>	UK - long term

### 8.2 Exposure controls

- Eyewash bottles should be available.
- Engineering controls should be provided to prevent the need for ventilation.
- No respiratory protection is needed if ventilation/extraction is adequate, otherwise wear approved respiratory protection with an organic vapor cartridge.
- Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.
- Wear safety glasses approved to standard for ANSI Z87 or EN 166 or chemical splash goggles.
- Wear suitable protective clothing in accordance with good chemical hygiene practices.



Gloves



Safety Glasses



Lab Coat

## SECTION 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Appearance: Liquid, hazy to opalescent with to without a precipitate, peach to pink
- Odor: No information available
- pH: No information available
- Melting point/Range: Not applicable
- Boiling Point/Range: No information available
- Flashpoint: No information available
- Evaporation Rate: No information available
- Flammability: No information available
- Vapor Pressure: No information available
- Vapor Density: No information available
- Specific Gravity: No information available
- Solubility in water: No information available
- Partition Coefficient (n-Octanol/Water): No information available
- Autoignition Temperature: Product is not self-igniting
- Viscosity: No information available
- Explosive Properties: Product does not present an explosion hazard
- Oxidizing Properties: Product is not classified as an oxidizer

### 9.2 Other information

- No information available

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## SECTION 10 Stability and reactivity

### 10.1 Reactivity

- No information available

### 10.2 Chemical stability

- Considered stable under normal conditions.

### 10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose.

### 10.4 Conditions to avoid

- Keep away from heat and sources of ignition.

### 10.5 Incompatible materials

- None known

### 10.6 Hazardous Decomposition Products

- Decomposition products may include carbon oxides.

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## SECTION 11 Toxicological information

### 11.1 Information on toxicological effects

- No experimental test data available for the mixture
- ATE<sub>mix</sub> = 109,890 mg/kg (oral)
- Contact with skin  
May cause redness and irritation in sensitive individuals.
- Contact with eyes  
May cause redness and irritation in sensitive individuals.
- Ingestion  
Product is not toxic, but may cause irritation of the throat and/or nausea in sensitive individuals.
- Inhalation  
Not a likely route of exposure. May cause irritation in sensitive individuals.
- Carcinogenicity  
Not listed in the National Toxicology Program (NTP) 13<sup>th</sup> Report on Carcinogens.  
Listed as Group 2B, Possibly carcinogenic to humans, in the International Agency for Research on Cancer (IARC) Monographs, Volumes 1-112: CI basic red monohydrate, CAS No. 569-61-9.  
Not listed in OSHA standard 1910.1003 Carcinogens.
- Mutagenicity  
No evidence of mutagenic effects.

**SECTION 11 Toxicological information (continued)**

- Teratogenicity  
No information available

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**SECTION 12 Ecological information****12.1 Toxicity**

- This product contains no substances >1% with ecological toxicity values.

**12.2 Persistence and degradability**

- No information available

**12.3 Bioaccumulation Potential**

- No information available

**12.4 Mobility in soil**

- No information available

**12.5 Results of PBT and vPvB assessment**

- Not a PBT according to REACH Annex XIII
- PBT/vPvB assessment not available

**12.6 Other Adverse Effects**

- To the best of our knowledge, the properties of this material have not been fully evaluated.
- On available data, substance is not harmful to the environment.

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**SECTION 13 Disposal considerations****13.1 Waste treatment methods**

- Disposal should be in accordance with local, regional, national, and/or international regulations.
- Do not discharge into drains or the environment, dispose to an authorized waste collection point.
- Do not reuse empty containers.

**13.2 Classification (REACH)**

- Waste Codes in accordance with the European Waste catalogue (EWC) are origin-defined. Since this product is used in several industries, no Waste Code can be provided by the supplier. The Waste Code should be determined in arrangement with your waste disposal partner or the responsible authority.

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**SECTION 14 Transport information****14.1 UN Number**

1987

**14.2 UN Proper Shipping Name**

- Alcohols, n.o.s. (Ethanol solution)

**14.3 Transport hazard class(es)**

- 3

**14.4 Packing group**

- II

**14.5 Environmental hazards**

- Not Classified

**14.6 Special precautions for user**

- EXCEPTED QUANTITY CITATION, E2

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

- Not Classified

**14.8 Domestic Surface Transport (US DOT)**

- Proper Shipping Name: Alcohols, n.o.s. (Ethanol solution)
- DOT UN No.: 1987
- DOT Hazard Class: 3
- DOT Packing Group: II



## SECTION 14 Transport information (continued)

### 14.9 International Road/Rail (ADR/RID)

- Proper Shipping Name: Alcohols, n.o.s. (Ethanol solution)
- ADR UN No.: 1987
- ADR Hazard Class: 3
- ADR Packing Group: II
- Tunnel Code: Not applicable

### 14.10 Ocean/Sea (IMO/IMDG)

- Proper Shipping Name: Alcohols, n.o.s (Ethanol solution)
- IMDG UN No.: 1987
- IMDG Hazard Class: 3
- IMDG Packing Group: II

### 14.11 Air (ICAO/IATA)

- Proper Shipping Name: Alcohols, n.o.s. (Ethanol solution)
- ICAO UN No.: 1987
- ICAO Hazard Class: 3
- ICAO Packing Group: II

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## SECTION 15 Regulatory information

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

- This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006- 453/2010, WHMIS 2015 requirements as specified in the Hazardous Products Act (HPA) and the Hazardous Products Regulations (HPR), and with the OSHA Hazard Communication Standard 29 CFR 1910.1200.
- Regulation (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) applies in Europe.

### 15.2 Chemical Safety Assessment

- No information available

### 15.3 United States Regulatory Information

#### SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

#### SARA 313 Components

The material does not contain any chemical components with known CAS numbers that exceed the threshold (de minimis) reporting levels established by SARA Title III, Section 313.

#### SARA 311/312

Acute Health Hazard	No
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

#### Toxic Substance Control Act (TSCA)

All components of this material are either listed or exempt from listing on the TSCA Inventory.

#### State Right-to-Know

Massachusetts  
Ethanol, CAS No. 64-17-5

New Jersey  
Ethanol, CAS No. 64-17-5

Pennsylvania  
Ethanol, CAS No. 64-17-5

#### California Prop 65

WARNING: This product contains a chemical known to the State of California to cause cancer: CI Basic Red Monohydrate CAS No. 569-61-9

## SECTION 15 Regulatory information (continued)

## 15.4 Canadian Regulatory Information

- Inventory Status	
Domestic Substances List (DSL)	Listed
Non-Domestic Substances List (NDSL)	Not listed

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## SECTION 16 Other information

Date of Preparation: March 2016

Revision: Rev. 0

Replaces: New issue

Text not given with phrase codes where they are used elsewhere in this safety data sheet: H225: Highly flammable liquid and vapor. H351: Suspected of causing cancer.

This document is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Neogen Corporation shall not be held liable for any damage resulting from handling or from contact with the above product. These suggestions should not be confused with state, municipal or insurance requirements, and constitute NO WARRANTY.