

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

1.1 Product identifier

- Product Name: **Lowenstein-Jensen Medium**
- Product Part Number: **7245**

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

- Use of the substance/preparation: For use with fresh egg and glycerol for the isolation and differentiation of *Mycobacterium* spp.
- Use advised against: No information available

1.3 Details of the supplier of the safety data sheet

- Name of Manufacturer: Acumedia Manufacturers, Inc.
- Address of Manufacturer: 740 East Shiawassee
Lansing, Michigan 48912
USA
- Telephone: 517/372-9200
- Email: foodsafety@neogen.com

1.4 Emergency telephone number

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

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

Classification (29 CFR 1910.1200)

- Eye irritation, Cat. 2A, H319, Toxic to reproduction, Cat. 2, H361

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

- Eye irrit. 2, H319, Repr. 2, H361

Classification (WHMIS 2015 HPR)

- Eye irritation, Cat. 2A, H319, Toxic to reproduction, Cat. 2, H361

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

2.2 Label elements



GHS07

GHS08

- Signal Word: Warning
- Symbols: GHS07, GHS08
- Hazard phrases
 - Causes serious eye irritation
 - Suspected of damaging fertility or the unborn child
- Precautionary Phrases
 - Obtain special instructions before use.
 - Do not handle until all safety precautions have been read and understood.
 - Wash hands thoroughly after handling.
 - Wear protective gloves/protective clothing/eye protection/face protection.
 - IF IN EYES: 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.
 - 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 mucous membranes.
- May be mildly irritating to respiratory system.

SECTION 3 Composition/information on ingredients

3.1 Substances

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
Malachite Green Oxalate	1 – 5%	2437-29-8	219-441-7	H302, H318, H361, H400, H410	GHS05, GHS06, GHS08, GHS09

SECTION 4 First aid measures

4.1 Description of first aid measures

- General
In case of doubt, or when symptoms persist, seek medical attention.
- 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
Causes serious eye irritation.
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 irritation persists.
- 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 person 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 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.
- Decomposition products may include carbon oxides, sulfur oxides.
- May form explosive dust/air mixtures.
- 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.
- 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.
- Avoid raising dust.
- Remove contaminated clothing.
- Wear protective clothing as per Section 8.
- Wash thoroughly after dealing with spillage.

6.2 Environmental Precautions

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

6.3 Methods and material for containment and cleaning up

- Absorb spillage in inert material and shovel up.
- Place in sealable 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.
- 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 30°C/86°F. Keep cool.
- Store in a well-ventilated place. Keep container tightly closed.
- Store in a dry place.
- Keep away from oxidizing substances, heat, flames, or ignition sources.
- Keep away from food, drink, and animal food stuffs.

7.3 Specific end use(s)

- For use with fresh egg and glycerol for the isolation and differentiation of *Mycobacterium* spp.

SECTION 8 Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters

Component	CAS No.	Value	Control Parameters	Basis
Potato starch	9005-25-8		15 mg/m ³ (total); 5 mg/m ³ (resp)	USA-OSHA Table Z-1 Limits for Air Contaminants - 1910.1000
		TWA	10 mg/m ³	USA-NIOSH Recommended Exposure Limits
		TWA	10 mg/m ³	(TLV)
		WEL	10 mg/m ³	UK EH40, long term, inhalable aerosol
		WEL	4 mg/m ³	UK EH40, long term, respirable aerosol

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 dust mask, NIOSH N95 (US) or type FFP1 (EN143) dust masks.
- 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.

SECTION 8 Exposure controls/personal protection (continued)

- 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: Homogenous, free-flowing powder, light to medium blue green
- Odor: No information available
- pH: No information available
- Melting Point/Range: No information available
- Boiling Point/Range: Not applicable
- Flashpoint: No information available
- Evaporation Rate: Not applicable
- Flammability: No information available
- Vapor Pressure: No information available
- Vapor Density: No information available
- Specific Gravity: No information available
- Solubility in water: Soluble in water
- Partition Coefficient (n-Octanol/Water): No information available
- Autoignition Temperature: Product is not self-igniting
- Viscosity: Product is free-flowing powder
- Explosive Properties: May form explosive dust/air mixtures
- Oxidizing Properties: Product is not classified as an oxidizer

9.2 Other information

- No information available

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

- Avoid contact with moisture.
- 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, sulfur oxides.

SECTION 11 Toxicological information**11.1 Information on toxicological effects**

- No experimental test data available for the mixture
- ATE_{mix} = 11,905 mg/kg (oral)
- Contact with skin
May cause redness and irritation in sensitive individuals.
- Contact with eyes
Causes serious eye irritation.

SECTION 11 Toxicological information (continued)

- Ingestion
Product is not toxic, but may cause irritation of the throat and/or nausea in sensitive individuals.
 - Inhalation
May cause irritation in sensitive individuals.
 - Carcinogenicity
Not listed in the National Toxicology Program (NTP) 13th Report on Carcinogens.
Not found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs, Volumes 1-112.
Not listed in OSHA standard 1910.1003 Carcinogens.
 - Mutagenicity
Suspected of damaging fertility.
 - Teratogenicity
Suspected of damaging the unborn child.
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SECTION 12 Ecological information

12.1 Toxicity

- This product is not classified as hazardous to the environment under U.S. regulations.

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

2811

14.2 UN Proper Shipping Name

- Toxic solid, organic, n.o.s. (Malachite green oxalate mixture)

14.3 Transport hazard class(es)

- 6.1

14.4 Packing group

- III

SECTION 14 Transport information (continued)

14.5 Environmental hazards

- Not a marine pollutant

14.6 Special precautions for user

- None

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

- Not available

14.8 Domestic Surface Transport (US DOT)

- Proper Shipping Name: Toxic solid, organic, n.o.s. (Malachite green oxalate mixture)
- DOT UN No.: 2811
- DOT Hazard Class: 6.1
- DOT Packing Group: III

14.9 International Road/Rail (ADR/RID)

- Proper Shipping Name: Toxic solid, organic, n.o.s. (Malachite green oxalate mixture)
- ADR UN No.: 2811
- ADR Hazard Class: 6.1
- ADR Packing Group: III
- Tunnel Code: 2(E)

14.10 Ocean/Sea (IMO/IMDG)

- Proper Shipping Name: Toxic solid, organic, n.o.s. (Malachite green oxalate mixture)
- IMDG UN No.: 2811
- IMDG Hazard Class: 6.1
- IMDG Packing Group: III

14.11 Air (ICAO/IATA)

- Proper Shipping Name: Toxic solid, organic, n.o.s. (Malachite green oxalate mixture)
- ICAO UN No.: 2811
- ICAO Hazard Class: 6.1
- ICAO Packing Group: III

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	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
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.

SECTION 15 Regulatory information (continued)

15.4 Canadian Regulatory Information

- Inventory Status
 - Domestic Substances List (DSL) Listed
 - Non-Domestic Substances List (NDSL) Not listed
 - Hazards not otherwise classified
 - PHNOC: Explosive dust > 1000lbs/454kg
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SECTION 16 Other information

Date of Preparation: June 15, 2016
Revision: Rev. 0
Replaces: New issue

Text not given with phrase codes where they are used elsewhere in this safety data sheet: H302: Harmful if swallowed. H318: Causes serious eye damage. H361: Suspected of damaging fertility or the unborn child. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long-lasting effects.

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.