

Effective date: 25/11/25	Hy-Labs Cat. No: TT256	<b>MSDS FORMAT</b>	<b>hylabs®</b>
Doc. No: <b>MSDS-TT256</b>		<b>MATERIAL SAFETY DATA SHEET</b>	Replace Doc: NA

## 1- Product and Company Identification

<b>Product Name</b>	E.C. MEDIUM
<b>Reference number</b>	TT256
<b>Identified uses</b>	Differentiating and enumerating of coliforms in water and waste water
<b>Manufacturer</b>	<b>Hy-Laboratories Ltd.</b> Park Tamar, Rehovot, 76326, Israel Tel: 972-8-9366475 Fax: 972-8-9366474

## 2- HAZARDS IDENTIFICATION

### Hazard Classification

#### Health Hazards

Skin sensitizer

Category 1

#### Label Elements

#### Hazard Symbol:



**Signal Word:** Warning

**Hazard Statement:** H317: May cause an allergic skin reaction.

### Precautionary Statements

#### Prevention:

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P272: Contaminated work clothing should not be allowed out of the workplace.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

#### Response:

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P363: Wash contaminated clothing before reuse.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P321: Specific treatment (see supplemental first aid instructions on this label).

#### Disposal:

P501: Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

### Other hazards which do not result in GHS classification:

None.

## 3- COMPOSITION/INFORMATION ON INGREDIENTS


### Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%) <sup>*</sup>
Bile, extract	No data available.	8008-63-7	4.0541%

<sup>\*</sup> All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

## 4- First Aid Measures

### Description of necessary first-aid measures

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**General information:**

Get medical attention if symptoms occur.

**Inhalation:**

Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Get medical attention if symptoms persist.

**Skin Contact:**

Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Get medical attention if symptoms occur. Wash contaminated clothing before reuse.

**Eye contact:**

Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention promptly if symptoms occur after washing.

**Ingestion:**

If swallowed, rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Get medical attention immediately.

**Personal Protection for First-aid Responders:**

No data available.

**Most important symptoms and effects, both acute and delayed Symptoms:**

Symptoms may be delayed.

**Hazards:**

May cause an allergic skin reaction.

**Indication of immediate medical attention and special treatment needed Treatment:**

Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water.

## 5- Fire Fighting Measures

**General Fire Hazards:**

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Use water to keep fire exposed containers cool and disperse vapors.

**Suitable (and unsuitable) extinguishing media**
**Suitable extinguishing media:**

Water spray, fog, CO2, dry chemical, or alcohol resistant foam.

**Unsuitable extinguishing media:**

Avoid water in straight hose stream; will scatter and spread fire.

**Special hazards arising from the substance or mixture:**

Fire or excessive heat may produce hazardous decomposition products.

**Special protective equipment and precautions for firefighters**
**Special firefighting procedures:**

No unusual fire or explosion hazards noted.


**Special protective equipment for fire-fighters:**

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

## 6- Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures:**

Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area. Contact local authorities in case of spillage to drain/aquatic environment.

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**Accidental release measures:**

No data available.

**Methods and material for containment and cleaning up:**

Stop leak, if possible, without any risk. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Collect for salvage or disposal. Prevent runoff from entering drains, sewers, or streams. Report spills as required to appropriate authorities. See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.

**Environmental Precautions:**

Avoid release to the environment.

## 7- Handling and Storage

**Handling**

**Technical measures (e.g. Local and general ventilation):**

Adequate ventilation should be provided whenever the material is heated or mists are generated.

**Safe handling advice:**

Wash promptly with soap and water if skin becomes contaminated. When using do not eat, drink or smoke. Read and follow manufacturer's recommendations. Use personal protective equipment as required.

**Contact avoidance measures:**

No data available.

**Storage**

**Safe storage conditions:**

Store in tightly closed original container in a dry, cool and well-ventilated place.

**Safe packaging materials:**

No data available.

## 8- Exposure Controls, Personal Protection

**Control Parameters**

**Occupational Exposure Limits**

None of the components have assigned exposure limits.

**Biological Limit Values**

No biological exposure limits noted for the ingredient(s).

**Appropriate Engineering Controls**

Adequate ventilation should be provided whenever the material is heated or mists are generated.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection:**

Wear safety glasses with side shields (or goggles).

**Skin Protection**

**Hand Protection:**


Material: Use suitable protective gloves if risk of skin contact.

**Skin and Body Protection:**

Wear appropriate clothing to prevent repeated or prolonged skin contact.

**Respiratory Protection:**

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

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**Hygiene measures:**

Do not eat, drink or smoke when using the product. Wash promptly if skin becomes contaminated.  
Wash at the end of each work shift and before eating, smoking and using the toilet. Avoid contact with skin.

## 9- Physical and Chemical Properties

**Information on basic physical and chemical properties**

Appearance

Physical state: Liquid

Form: Liquid

Color: According to product specification.

Odor: Characteristic

Odor Threshold: No data available.

Melting Point: No data available.

Boiling Point: No data available.

Flammability: No data available.

**Upper/lower limit on flammability or explosive limits**

Explosive limit - upper: No data available.

Explosive limit - lower: No data available.

Flash Point: Not applicable

Self-Ignition Temperature: No data available.

Decomposition Temperature: No data available.

pH: 6.7 – 7.1

**Viscosity**

Dynamic viscosity: Not determined.

Kinematic viscosity: Not determined.

Flow Time: No data available.

**Solubility(ies)**

Solubility in Water: Completely Soluble

Solubility (other): No data available.

Partition coefficient (noctanol/water): No data available.

Vapor pressure: No data available.

Relative density: No data available.

Density: No data available.

Bulk density: No data available.

Vapor density (air=1): No data available.

**Particle characteristics**

Particle Size: No data available.

Particle Size Distribution: No data available.

Specific surface area: No data available.

Surface charge/Zeta potential: No data available.

Shape: No data available.

Crystallinity: No data available.

Surface treatment: No data available.

**Other information**


**Metal Corrosion:**

Non-corrosive per US Department of Transportation testing protocol.

## 10- Stability and Reactivity

**Reactivity:** Stable

**Chemical Stability:** No data available.

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**Possibility of hazardous reactions:** None under normal conditions.

**Conditions to avoid:** Avoid exposure to high temperatures or direct sunlight.

**Incompatible Materials:** Strong oxidizing agents.

**Hazardous Decomposition Products:** By heating and fire, harmful vapors/gases may be formed.

## 11- Toxicological Information

### General information:

May cause allergic skin reaction based on human experience.

### Information on toxicological effects

#### Inhalation:

Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

#### Skin Contact:

Prolonged or repeated contact may cause skin sensitization in susceptible individuals.

#### Eye contact:

Avoid contact with eyes.

#### Ingestion:

Ingestion may cause irritation and malaise.

### Information on likely routes of exposure

Acute toxicity (list all possible routes of exposure)

#### Oral

Product: No data available.

Components: Bile, extract

No data available.

#### Dermal

Product: ATEmix: 11,636.34 mg/kg

Components: Bile, extract

No data available.

#### Inhalation

Product: No data available.

Components: Bile, extract

No data available.

#### Repeated dose toxicity

Product: No data available.

Components: Bile, extract

No data available.

#### Skin Corrosion/Irritation

Product: No data available.

Components: Bile, extract

No data available.

#### Serious Eye Damage/Eye Irritation

Product: No data available.

Components: Bile, extract


No data available

#### Respiratory or Skin Sensitization

Product: No data available.

Components: Bile, extract

No data available.

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### **Carcinogenicity**

Product: No data available.

Components: Bile, extract

No data available.

### **IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

No carcinogens present or none present in regulated quantities

### **ACGIH: US.ACGIH Threshold Limit Values:**

No carcinogens present or none present in regulated quantities

### **US. National Toxicology Program (NTP) Report on Carcinogens:**

No carcinogens present or none present in regulated quantities

### **US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:**

No carcinogens present or none present in regulated quantities

### **Germ Cell Mutagenicity**

#### **In vitro**

Product: No data available.

Components: Bile, extract

No data available.

#### **In vivo**

Product: No data available.

Components: Bile, extract

No data available.

#### **Reproductive toxicity**

Product: No data available.

Components: Bile, extract

No data available.

### **Specific Target Organ Toxicity - Single Exposure**

Product: No data available.

Components: Bile, extract

No data available.

### **Specific Target Organ Toxicity - Repeated Exposure**

Product: No data available.

Components: Bile, extract

No data available.

### **Aspiration Hazard**

Product: No data available.

Components: Bile, extract

No data available.

### **Information on health hazards**

#### **Other hazards**

Product: No data available.


## **12- Ecological Information**

### **Ecotoxicity:**


#### **Acute hazards to the aquatic environment:**

#### **Fish**

Product: No data available.

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<p>Components: Bile, extract No data available.</p> <p><b>Aquatic Invertebrates</b> Product: No data available. Components: Bile, extract No data available.</p> <p><b>Toxicity to Aquatic Plants</b> Product: No data available. Components: Bile, extract No data available.</p> <p><b>Toxicity to microorganisms</b> Product: No data available. Components: Bile, extract No data available.</p> <p><b>Chronic hazards to the aquatic environment:</b></p> <p><b>Fish</b> Product: No data available. Components: Bile, extract No data available.</p> <p><b>Aquatic Invertebrates</b> Product: No data available. Components: Bile, extract No data available.</p> <p><b>Toxicity to Aquatic Plants</b> Product: No data available. Components: Bile, extract No data available.</p> <p><b>Toxicity to microorganisms</b> Product: No data available. Components: Bile, extract No data available.</p> <p><b>Persistence and Degradability</b></p> <p><b>Biodegradation</b> Product: No data available. Components: Bile, extract No data available.</p> <p><b>BOD/COD Ratio</b> Product: No data available. Components: Bile, extract No data available.</p> <p><b>Bioaccumulative potential</b></p> <p><b>Bioconcentration Factor (BCF)</b> Product: No data available. Components: Bile, extract No data available.</p> <p><b>Partition Coefficient n-octanol / water (log Kow)</b> Product: Log Kow: No data available. Components: Bile, extract No data available.</p> <p><b>Mobility in soil:</b> Product No data available.</p>
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Components: Bile, extract  
No data available.

**Results of PBT and vPvB assessment:**

Product No data available.

Components: Bile, extract

No data available.

**Other adverse effects:**

**Other hazards**

Product: No data available.

### 13- Disposal Information

**General information:**

Dispose of waste and residues in accordance with local authority requirements.

**Disposal methods:**

Discharge, treatment, or disposal may be subject to national, state, or local laws.

Since emptied containers retain product residue, follow label warnings even after container is emptied.

**Contaminated Packaging:**

Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

### 14- Transport Information

**DOTUN** number or ID number: Not regulated.

UN Proper Shipping Name: Not regulated.

Transport Hazard Class(es)

Class: Not regulated.

Label(s): Not regulated.

Packing Group: Not regulated.

Marine Pollutant: Not regulated.

Limited quantity Not regulated.

Excepted quantity Not regulated.

Special precautions for user: Not regulated.

**IMDG**

UN number or ID number: Not regulated.

UN Proper Shipping Name: Not regulated.

Transport Hazard Class(es)

Class: Not regulated.

Subsidiary risk: Not regulated.

EmS No.: Not regulated.

Packing Group: Not regulated.

Environmental Hazards

Marine Pollutant: Not regulated.

Special precautions for user: Not regulated.

**IATA**


UN number or ID number: Not regulated.

Proper Shipping Name: Not regulated.

Transport Hazard Class(es):

Class: Not regulated.



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Subsidiary risk:	Not regulated.
Packing Group:	Not regulated.
Environmental Hazards	
Marine pollutant:	Not regulated.
Special precautions for user:	Not regulated.

### 15- Regulatory Information

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

##### Hazard categories

Respiratory or Skin Sensitization

### 16- Other Information

The information in this MSDS is based on current and reliable sources but does not purport to be all inclusive and shall be used only as a guide.

The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

This information cannot be considered a guarantee of the properties of the product; it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products.

All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.