


Effective date: 26/11/25	Hy-Labs Cat. No: LD507	MSDS FORMAT	hylabs®
Doc. No: MSDS-LD507		MATERIAL SAFETY DATA SHEET	Replace Doc: NA

1- Product and Company Identification	
Product Name	M-FC AGAR
Reference number	LD507
Identified uses	Identification of faecal coliforms in water Standard Methods 9222 D
Manufacturer	Hy-Laboratories Ltd. Park Tamar, Rehovot, 76326, Israel Tel: 972-8-9366475 Fax: 972-8-9366474
2- HAZARDS IDENTIFICATION	
2.1. Classification of the substance or mixture 2.1.2. Classification - EC 1272/2008 Based on available data, this product is not classified as hazardous.	
2.2. Label elements Hazard Statement No Significant Hazard	
2.3. Other hazards Other hazards Contains material(s) which may be harmful if swallowed.	
3- COMPOSITION/INFORMATION ON INGREDIENTS	
Description No components need to be disclosed according to the applicable regulations. Concentrations listed are not product specifications.	
Particle Characteristics Not applicable.	
Further information Full text of Hazard Statements listed in this Section is provided in Section 16.	
4- First Aid Measures	
4.1. Description of first aid measures Inhalation Move the exposed person to fresh air. If breathing is difficult give oxygen. If breathing stops, provide artificial respiration. Seek medical attention if irritation or symptoms persist.	
Eye contact Rinse immediately with plenty of water. Contact lenses should be removed. Seek medical attention if irritation or symptoms persist.	
Skin contact Remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation or symptoms persist.	
Ingestion Do not induce vomiting unless told to do so by the poison control center or doctor. Rinse mouth thoroughly. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.	
4.2. Most important symptoms and effects, both acute and delayed Inhalation May cause irritation to respiratory system.	
Eye contact May cause irritation to eyes.	
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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

Remove the affected person from the source of contamination immediately. Transfer to hospital if there are burns or symptoms of poisoning. Seek medical attention if irritation or symptoms persist. If medical advice is needed, have product container or label at hand.

5- Fire Fighting Measures

5.1. Extinguishing media

Use extinguishing media appropriate to the surrounding fire conditions.

5.2. Special hazards arising from the substance or mixture

Product does not support combustion. Do not allow undiluted product to be released to ground water, water course or sewage system.

5.3. Advice for firefighters

Do not breathe vapour or spray mist. Wear self-contained breathing apparatus and chemical-protective clothing.

6- Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Use as appropriate: Protective equipment, Protective clothing. Ensure adequate ventilation of the working area. Avoid prolonged or repeated exposure.

6.2. Environmental precautions

Prevent further spillage if safe. Clean spillage area thoroughly with plenty of water. Do not flush into surface water. Do not let product contaminate subsoil.

6.3. Methods and material for containment and cleaning up

Absorb spillage to prevent material damage. Clean spillage area thoroughly with plenty of water. Do not contaminate water by cleaning of equipment or disposal of wastes.

6.4. Reference to other sections

See Section(s) 2, 8, and 13 for further information.

7- Handling and Storage

7.1. Precautions for safe handling

Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes. Do not eat, drink or smoke in areas where this product is used or stored. Ensure adequate ventilation of the working area. Do not contaminate water by cleaning of equipment or disposal of wastes. Use as appropriate: Protective clothing.
Read the entire label and follow all use directions, restrictions, and precautions.

7.2. Conditions for safe storage, including any incompatibilities

Store at temperatures between 2 °C and 8 °C. Follow label instructions.
Store in correctly labelled containers. Keep container tightly closed. Do not contaminate water, food, or feed by storage or disposal.

7.3. Specific end use(s)

See Section(s) 1.2 for further information.

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Further information

Refer to product label and/or package insert for additional information. Follow label instructions.

8- Exposure Controls, Personal Protection

8.1. Control parameters

No occupational exposure limits known.

8.2. Exposure controls



8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area.

8.2.2. Individual protection measures

Use as appropriate: **Protective equipment.**

Eye / face protection Use as appropriate: Suitable eye protection.

Skin protection – Handprotection

Use as appropriate: Chemical-resistant gloves made of any waterproof material. Wash the outside of gloves before removing them.

Skin protection - Other Use as appropriate: Protective clothing. Wash contaminated clothing, separately from other laundry, with detergent and water before reuse.

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Occupational exposure controls

Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. Protect clothing from contact with the product. Provide chemical shower. Provide eye wash station.


Further information

Remove and wash contaminated clothing before reuse.

9- Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Solid Agar
Colour	Cranberry red, slightly opalescent
Odour	Slight
Odour threshold	No data available
pH	7.2 - 7.6
Melting point	No data available
Freezing Point	No data available
Initial boiling point	No data available
Flash point	No data available

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Evaporation rate	No data available
Flammability (solid, gas)	Not applicable.
Vapour pressure	No data available
Relative Vapour Density	No data available
Density / Relative Density	No data available
Fat Solubility	No data available
Partition coefficient (P)	No data available
Autoignition temperature	No data available
Viscosity	No data available
Explosive properties	Not applicable.
Oxidising properties	No data available
Solubility	Soluble in water

9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	No data available
Benzene Content	No data available
Lead content	No data available
VOC (Volatile organic compounds)	No data available

10- Stability and Reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4. Conditions to avoid

Keep away from extreme temperatures.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

Carbon oxides.

11- Toxicological Information

11.1 Information on hazard classes


Acute toxicity Based on available data, the classification criteria are not met.

Skin corrosion/irritation	May cause irritation to skin.
Serious eye damage/irritation	May cause irritation to eyes.
Respiratory or skin sensitization	May cause allergic reactions in susceptible people.
Germ cell mutagenicity	No mutagenic effects reported.

Carcinogenicity

No components at >0,01% are listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Guide to Occupational Exposure Values.

No components at >0.01% are listed in the International Agency for Research on Cancer (IARC) Monographs.

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No components at >0,01% are listed in the National Toxicology Program (NTP) Report on Carcinogens.
Not listed in the OSHA standard 1910.1003 Carcinogens.

Reproductive toxicity

No teratogenic effects reported.

STOT-single exposure

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

STOT-repeated exposure

No Significant Hazard.

Aspiration hazard

No Significant Hazard.

Repeated or prolonged exposure

Avoid prolonged or repeated exposure. Delayed appearance of the complaints and development of hypersensitivity (difficult breathing, coughing, asthma) are possible.

11.1.2. Mixtures

See Section(s) 3 for further information.

11.1.3. Hazard Information

See Section(s) 2 and 3 for further information.

11.1.4. Toxicological Information

No data available

11.1.5. Hazard Class

See Section(s) 2 and 14 for further information.

11.1.6. Classification Criteria

Based on the Globally Harmonised System (GHS) considerations for the classification of mixtures. See Section 15 for regulatory citations.

11.1.7. Information on likely routes of exposure

Eye contact. Skin contact. Ingestion. Inhalation.

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

See Section(s) 4.2 for further information.

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

See Section(s) 4.2 for further information.

11.1.10. Interactive effects

No data available.

11.1.11. Absence of specific data


<1% of this mixture consists of ingredients of unknown acute toxicity.

11.1.12. Mixture versus substance information

See Section(s) 3 for further information.

11.1.13. Other information

No data available.

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11.2 Information on other hazards

No data available.

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.

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 Endocrine disrupting properties

No data is available on this product.

12.7 Other adverse effects

Specific test data for the mixture is not available.

Further information

Keep out of lakes, ponds, or streams. Do not let product contaminate subsoil.

13- Disposal Information

13.1. Waste treatment methods

Dispose of in compliance with all local and national regulations. Follow label instructions.

Disposal methods

Do not contaminate water by cleaning of equipment or disposal of wastes. Do not flush into surface water. Dispose of in compliance with all local and national regulations.

Disposal of packaging

Nonrefillable container. Do not reuse or refill this container.

If empty: Do not reuse this container. Place in trash or offer for recycling, if available.

If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

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 Maritime Transport in bulk according to IMO instruments

The product is not classified as dangerous for carriage.

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15- Regulatory Information

Regulations

COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1272/2008 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Safety Phrases

Keep container tightly closed.
Observe the general safety regulation.

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.