







Effective date: 20-04-2013	Hy-Labs Cat. No: LD-506	MSDS FORMAT	Replace Doc: NA
Doc. No: MSDS-LD-506		MATERIAL SAFETY DATA SHEET	

1- Product and Company Identification	
Product Name	M-Endo Agar Les
Reference number	LD-506
Manufacturer	Hy-Laboratories Ltd. Park Tamar, Rehovot, 76326, Israel Tel: 972-8-9366475 Fax: 972-8-9366474
2- Composition, Information on Ingredients	
Ingredients Name	Cas #
Ethanol	64-17-5
Basic fuchsin	569-61-9
Sodium sulfite	7757-83-7
3- Hazard Specifications	
Classification according to Regulation (EC) No 1272/2008	Flammable liquids (Category 2), H225 GHS08 health hazard  GHS08 health hazard Carc. 1B H350 May cause cancer  GHS07 Skin Irrit. 2 H315 Causes skin irritation Eye Irrit. 2 H319 Causes serious eye irritation
Classification according to EU Directives 67/548/EEC or 1999/45/EC	F - Highly flammable - R11  T; Toxic R45: May cause cancer  Xi; Irritant R36/37/38: Irritating to eyes, respiratory system and skin
Labelling according Regulation (EC) No 1272/2008	 Danger
Hazard statement(s) H225	Highly flammable liquid and vapour
Precautionary statement(s) P210	Keep away from heat/sparks/open flames/hot surfaces - No smoking
Information concerning particular hazards for human and environment	The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version
Code letter and hazard designation of product	 T Toxic

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Hazard-determining components of labelling	basic fuchsin sodium sulfite
Risk phrases	45 May cause cancer 36/37/38 Irritating to eyes, respiratory system and skin
Safety phrases	53 Avoid exposure - obtain special instructions before use 7 Keep container tightly closed 20 When using do not eat or drink 22 Do not breathe dust 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice 36/37 Wear suitable protective clothing and gloves 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) 60 This material and its container must be disposed of as hazardous waste
PBT	Not applicable
vPvB	Not applicable
4- First Aid Measures	
General information	Consult a physician. Show this safety data sheet to the doctor in attendance
After inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician
After skin contact	Immediately wash with water and soap and rinse thoroughly. Consult a physician
After eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician
After swallowing	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician
5- Fire Fighting Measures	
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or CO ₂
Advice for firefighters	Wear self contained breathing apparatus for fire fighting if necessary
Special hazards arising from the substance or mixture	During heating or in case of fire poisonous gases are produced
Further information	Use water spray to cool unopened containers
6- Accidental Release Measures	
Personal precautions, protective equipment and emergency procedures	Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8

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Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains
Methods and material for containment and cleaning up	Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13)
Reference to other sections	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information



7- Handling and Storage

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. Prevent formation of dust
Conditions for safe storage, including any incompatibilities	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage
Storage	2-8° C
Information about storage in one common storage facility	Do not store together with oxidizing and acidic materials
Specific end use(s)	A part from the uses mentioned in section 1.2 no other specific uses are stipulated

8- Exposure Controls and Personal Protection

Appropriate engineering controls	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday
Personal protective equipment - Eye/face protection	Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses
Personal protective equipment - Skin protection	<p>Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.</p> <p>The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.</p> <p><u>Full contact</u> Material: butyl-rubber Minimum layer thickness: 0.3 mm Break through time: 480 min Material tested: Butoject® (KCL 897 / Aldrich Z677647, Size M)</p> <p><u>Splash contact</u></p>

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	<p>Material: Nitrile rubber Minimum layer thickness: 0.2 mm Break through time: 38 min Material tested: Dermatril® P (KCL 743 / Aldrich Z677388, Size M) If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario</p>
Body Protection	impervious clothing, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Protective work clothing
Protection of hands	  Protective gloves
Respiratory protection	<p>Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)</p> <p>In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device</p>
General protective and hygienic measures	<p>Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin</p>
Control of environmental exposure	Prevent further leakage or spillage if safe to do so. Do not let product enter drains

9- Physical and Chemical Properties

Physical state	Solid
Color	Light Pink
Odour	Characteristic
Solubility in / Miscibility with water	Partly miscible
Upper/lower flammability or explosive limits	Upper explosion limit: 19 %(V) Lower explosion limit: 3.3 %(V)
Vapour pressure	59.5 hPa at 20,0 °C

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Relative density	0.789 g/mL at 25 °C
Auto-ignition temperature	363.0 °C

10- Stability and Reactivity

Chemical stability	Stable under recommended storage conditions
Conditions to avoid	Heat, flames and sparks. Extremes of temperature and direct sunlight
Incompatible materials	Alkali metals, Ammonia, Oxidizing agents, Peroxides
Hazardous decomposition products	Hydrogen chloride (HCl), Nitrogen oxides (NOx), Carbon dioxide, Sulphur oxides (SOx)

11- Toxicological Information

Acute toxicity	LD50 Oral - rat - 7.060 mg/kg Remarks: Lungs, Thorax, or Respiration:Other changes. LC50 Inhalation - rat - 10 h - 20000 ppm 569-61-9 basic fuchsin: LD50 Oral - (mou) - 500 mg/kg (mou)
Skin corrosion/irritation	Skin - rabbit Result: Irritating to skin. - 24 h Irritant to skin and mucous membranes
Serious eye damage/eye irritation	Eyes - rabbit Result: Mild eye irritation - 24 h (Draize Test)
Carcinogenicity	Carcinogenicity - mouse - Oral Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Liver: Tumors. Blood: Lymphomas including Hodgkin's disease. IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC
Reproductive toxicity	Reproductive toxicity - Human - female - Oral Effects on Newborn: Apgar score (human only). Effects on Newborn: Other neonatal measures or effects. Effects on Newborn: Drug dependence
Additional Information	RTECS: KQ6300000 Central nervous system depression, narcosis, Damage to the heart., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Heart - Irregularities - Based on Human Evidence. This product contains sulfites. People with known or suspected allergies to sulfite should use appropriate safety precautions when handling. The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. Irritant, Carcinogenic

12- Ecological Information

Additional ecological information - General notes	Water danger class 3 (German Regulation) (Self-ssessment): extremely hazardous for water
PBT	Not applicable
vPvB	Not applicable

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13- Disposal Information

Waste treatment methods - Recommendation	Must not be disposed together with household garbage. Do not allow product to reach sewage system. Must be specially treated adhering to official regulations. Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company
Uncleaned packaging - Recommendation	Disposal must be made according to official regulations Dispose of as unused product
Recommended cleansing agents	Water, if necessary together with cleansing agents

14- Transport Information


<u>UN number</u> ADR/RID: 1170	IMDG: 1170	IATA: 1170
<u>UN proper shipping name</u> ADR/RID: ETHANOL	IMDG: ETHANOL	IATA: Ethanol
<u>Transport hazard class(es)</u> ADR/RID: 3	IMDG: 3	IATA: 3
<u>Packaging group</u> ADR/RID: II	IMDG: II	IATA: II
<u>Environmental hazards</u> ADR/RID: no	IMDG Marine pollutant: no	IATA: no

15- Regulatory Information

IARC (International Agency for Research on Cancer)
569-61-9 basic fuchsin

Labelling according to EU guidelines:
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials

Code letter and hazard designation of product:

 T Toxic

Hazard-determining components of labeling:
basic fuchsin
sodium sulfite

Risk phrases:
45 May cause cancer
36/37/38 Irritating to eyes, respiratory system and skin

Safety phrases:
53 Avoid exposure - obtain special instructions before use
7 Keep container tightly closed
20 When using do not eat or drink
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label where possible).

60 This material and its container must be disposed of as hazardous waste

Waterhazard class:

Water danger class 3 (Self-assessment): extremely hazardous for water

16- Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither BD or any of its subsidiaries assumes any liabilities whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards described herein, we cannot guarantee that these are the only hazards that exist