



Dehydrated Culture Media  
Bases / Media Supplements

# Material Safety Data Sheet

Name of the Product		Levin Eosin- Methylene Blue Agar Medium 10. (In accordance with I.P.2007)															
Code No.		DM 1022M															
Section 1	Chemical Identification																
	Code No.	:	DM 1022M														
	Name of the Product	:	Levin Eosin- Methylene Blue Agar Medium 10. (In accordance with I.P.2007)														
	Produced by	:	Central Drug House Pvt. Ltd.														
	Address	:	7/28 Vardaan House, Darya Ganj, New Delhi (INDIA)														
	Tel. No.	:	00 91 11 49404040														
Section 2	Hazards Identification																
	2.1	Classification of the substance or mixture CLP Classification-Regulation (EC) No. 1272/2008[EU-GHS/CLP]  Not a hazardous substance or mixture according to Regulation (EC) No.1272/2008.															
	2.2	Label elements Labeling according to Regulation (EC) No.1272/2008  The product does not need to be labelled in accordance with EC directives or respective national laws.															
	2.3	Other Hazards None															
Section 3	Composition/Information On Ingredients																
	3.1	Mixture															
		<table><tr><th>Component</th><th>Classification</th><th>Concentration</th></tr><tr><td colspan="3">Eosin Y</td></tr><tr><td>CAS No. :</td><td>17372-87-1</td><td rowspan="2">As Per EC Regulation 1272/2008 Eye Irrit. 2A H319</td></tr><tr><td>EC No. :</td><td>241-409-6</td></tr><tr><td colspan="2"></td><td>&gt;=1.0 - &lt;=10.0%</td></tr></table>		Component	Classification	Concentration	Eosin Y			CAS No. :	17372-87-1	As Per EC Regulation 1272/2008 Eye Irrit. 2A H319	EC No. :	241-409-6			>=1.0 - <=10.0%
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		Refer Section 16 for complete statement of H codes and its classification															
Section 4	First - Aid Measures																
	4.1	Description of first aid measures General advice Consult a physician. Show this safety data sheet to the doctor in attendance. If inhaled If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. In case of skin contact Wash off with soap and plenty of water. Consult a physician.															



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	<p><b><i>In case of eye contact</i></b> Rinse immediately with plenty of water for at least 15 minutes. Consult a physician.</p> <p><b><i>If swallowed</i></b> Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.</p> <p><b>4.2 Most important symptoms and effects, both acute and delayed</b> No data available.</p> <p><b>4.3 Indication of immediate medical attention and special treatment needed</b> No data available</p>
Section 5	<b>Fire Fighting Measures</b>
	<p><b>5.1 Extinguishing media</b> <b><i>Suitable extinguishing media</i></b> Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. <b><i>Unsuitable extinguishing media</i></b> No data available.</p> <p><b>5.2 Special hazards arising from the substance or mixture</b> Carbon oxides, Potassium oxides, Oxides of phosphorus</p> <p><b>5.3 Precautions for fire-fighters</b> Wear self contained breathing apparatus for fire fighting if necessary</p> <p><b>5.4 Further information</b> No data available</p>
Section 6	<b>Accidental Release Measures</b>
	<p><b>6.1 Personal precautions, protective equipment and emergency procedures</b> Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.</p> <p><b>6.2 Environmental precautions</b> Prevent further leakage or spillage if safe to do so. Do not let product enter drains.</p> <p><b>6.3 Methods and materials for containment and cleaning up</b> Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.</p> <p><b>6.4 Reference to other sections</b> For disposal see Section 13.</p>
Section 7	<b>Handling and Storage</b>
	<p><b>7.1 Precautions for safe handling</b> Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Normal measures for preventive fire protection.</p> <p><b>7.2 Conditions for safe storage, including any incompatibilities</b> 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. <b><i>Recommended Storage Temperature</i></b> : On receipt store between 10-30°C</p> <p><b>7.3 Specific end uses</b> Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.</p>



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Section 8	<b>Exposure Controls / Personal Protection</b>																																				
	<p><b>8.1 Control parameters</b> Components with workplace control parameters</p> <p><b>8.2 Exposure controls</b> <i><b>Appropriate engineering controls</b></i> Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the products.</p> <p><i><b>Personal protective equipment</b></i> <i><b>Hygiene measure</b></i> Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with the product.</p> <p><i><b>Eye/face protection</b></i> Tightly fitting safety goggles; Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).</p> <p><i><b>Skin protection</b></i> 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 contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. 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><i><b>Body protection</b></i> Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.</p> <p><i><b>Respiratory protection</b></i> 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><i><b>Environment exposure controls</b></i> Do not empty into drains.</p>																																				
Section 9	<b>Physical and Chemical Properties</b>																																				
	<p><b>9.1 Information on basic physical and chemical properties</b></p> <table> <tr> <td>Appearance</td><td>Light pink to purple coloured homogenous free flowing powder.</td></tr> <tr> <td>Odour</td><td>No data available</td></tr> <tr> <td>Odour Threshold</td><td>No data available</td></tr> <tr> <td>pH</td><td>6.90 - 7.30</td></tr> <tr> <td>Melting/freezing point</td><td>No data available</td></tr> <tr> <td>Initial boiling point and boiling range</td><td>No data available</td></tr> <tr> <td>Flash point</td><td>No data available</td></tr> <tr> <td>Flammability (Solid, gas)</td><td>No data available</td></tr> <tr> <td>Vapour pressure</td><td>No data available</td></tr> <tr> <td>Relative density</td><td>No data available</td></tr> <tr> <td>Water Solubility</td><td>No data available</td></tr> <tr> <td>Partition coefficient: n-octanol/water</td><td>No data available</td></tr> <tr> <td>Autoignition Temperature</td><td>No data available</td></tr> <tr> <td>Viscosity</td><td>No data available</td></tr> <tr> <td>Explosive properties</td><td>No data available</td></tr> <tr> <td>Oxidizing properties</td><td>No data available</td></tr> <tr> <td>Vapour density</td><td>No data available</td></tr> <tr> <td>Thermal decomposition</td><td>No data available</td></tr> </table> <p><b>9.2 Other safety information</b> No data available</p>	Appearance	Light pink to purple coloured homogenous free flowing powder.	Odour	No data available	Odour Threshold	No data available	pH	6.90 - 7.30	Melting/freezing point	No data available	Initial boiling point and boiling range	No data available	Flash point	No data available	Flammability (Solid, gas)	No data available	Vapour pressure	No data available	Relative density	No data available	Water Solubility	No data available	Partition coefficient: n-octanol/water	No data available	Autoignition Temperature	No data available	Viscosity	No data available	Explosive properties	No data available	Oxidizing properties	No data available	Vapour density	No data available	Thermal decomposition	No data available
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Section 10	<b>Stability and Reactivity</b>
	<p><b>10.1 Reactivity</b> No data available</p> <p><b>10.2 Chemical stability</b> No data available</p> <p><b>10.3 Possibility of hazardous reactions</b> No data available</p> <p><b>10.4 Conditions to avoid</b> No data available</p> <p><b>10.5 Incompatible materials</b> No data available</p> <p><b>10.6 Hazardous decomposition products</b> Refer Section 5.2</p>
Section 11	<b>Toxicological Information</b>
	<p><b>11.1 Information on toxicological effects</b></p> <p><b>Acute toxicity</b> No data available</p> <p><b>Skin corrosion/irritation</b> No data available</p> <p><b>Serious eye damage/eye irritation</b> No data available</p> <p><b>Respiratory or skin sensitisation</b> No data available</p> <p><b>Germ cell mutagenicity</b> No data available</p> <p><b>Carcinogenicity</b> 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.</p> <p><b>Reproductive toxicity</b> No data available</p> <p><b>Specific target organ toxicity- single exposure</b> No data available</p> <p><b>Aspiration hazard</b> No data available</p> <p><b>Potential Health Effects</b></p> <p><b>Inhalation</b> REFER SECTION 2</p> <p><b>Skin</b> REFER SECTION 2</p> <p><b>Eye</b> REFER SECTION 2</p> <p><b>Ingestion</b> REFER SECTION 2</p> <p><b>Additional Information</b> RTECS : no data available</p> <p><b>11.2 Components</b></p> <p><b>Eosin Y</b> Acute oral toxicity LD50 Rat :&gt;2000 mg/kg Acute inhalation toxicity No data available</p>



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	<p><i>Acute dermal toxicity</i> No data available <i>Skin irritation</i> Does not cause skin irritation <i>Eye irritation</i> Causes eye irritation <i>Sensitisation</i> No data available <i>Ames test</i> Result : negative <i>Mutagenicity (mammal cell test)</i> No data available <i>Carcinogenicity</i> No data available <i>Toxicity to Reproduction</i> No data available <i>Teratogenicity</i> No data available</p> <p><b>Additional information:</b></p> <p>RTECS: LM5850000</p> <p><b>Methylene blue</b></p> <p><i>Acute oral toxicity</i> Rat LD50 : 1,180mg/kg <i>Acute inhalation toxicity</i> No data available. <i>Acute dermal toxicity</i> No data available. <i>Skin irritation</i> No data available. <i>Eye irritation</i> No data available. <i>Sensitisation</i> No data available. <i>Germ cell mutagenicity</i> No data available. <i>Carcinogenicity</i> No data available. <i>Reproductive toxicity</i> No data available. <i>Teratogenicity</i> No data available.</p> <p><b>Additional information:</b></p> <p>RTECS: SP5740000</p>
Section 12	<b>Ecological Information</b>
	<p><b>12.1 Toxicity</b> No data available</p> <p><b>Components:</b></p>



	<p><b>Eosin Y</b> <i>Toxicity</i> No data available</p> <p><b>Components:</b> <b>Methylene blue</b> Page 7 of 8 <i>Toxicity to fish</i> Pimephales promelas (fathead minnow) LC50: 45 mg/l; 96 h <i>Toxicity to daphnia and other aquatic invertebrates</i> Daphnia magna (Water flea) EC50: 2,260 mg/l; 48 h</p> <p><b>12.2 Persistence and degradability</b> No data available</p> <p><b>12.3 Bioaccumulative potential</b> No data available</p> <p><b>12.4 Mobility in soil</b> No data available</p> <p><b>12.5 PBT and vPvB assessment</b> This substance or mixture contains no components considered to be persistent, bioaccumulating nor toxic (PBT) at levels of 0.1% or higher.</p> <p><b>12.6 Other adverse effects</b> No data available</p>
Section 13	<b>Disposal Considerations</b>
	<p><b>13.1 Waste treatments methods</b> <b>Product</b> Offer surplus and non-recyclable solutions to a licenced disposal company. Contact a licenced professional waste disposal service to dispose off this material.</p> <p><b>13.2 Contaminated packaging</b> Dispose of as unused product.</p>
Section 14	<b>Transport Information</b>
	<p><b>14.1 UN-No</b> ADNR: ADR: IATA_C: IATA_P: IMDG: RID:</p> <p><b>14.2 UN proper shipping name</b> ADNR : Not dangerous good ADR : Not dangerous good IATA_C : Not dangerous good IATA_P : Not dangerous good IMDG : Not dangerous good RID : Not dangerous good</p> <p><b>14.3 Transport hazard class (es)</b> ADNR: ADR: IATA_C: IATA_P: IMDG: RID:</p> <p><b>s14.4 Packaging group</b> ADNR: ADR: IATA_C: IATA_P: IMDG: RID:</p> <p><b>14.5 Environmental hazards</b> ADNR : No ADR : No IMDG : Marine pollutant No IATA_C : No IATA_P : No RID : No</p> <p><b>14.6 Special precautions for use</b> No data available</p>



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Section 15	<b>Regulatory Information</b>																
	<p>This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.</p> <p><b>15.1 Safety health and environment regulations/legislation specific for the substance or mixture</b> No data available</p> <p><b>15.2 Chemical Safety Assessment</b> No data available</p>																
Section 16	<b>Other Information</b>																
	<table border="0"> <tr> <td>H302</td><td>Harmful if swallowed</td></tr> <tr> <td>H315</td><td>Causes skin irritation</td></tr> <tr> <td>H319</td><td>Causes serious eye irritation</td></tr> <tr> <td>H335</td><td>May cause respiratory irritation</td></tr> <tr> <td>Acute Tox.oral 4</td><td>Acute toxicity, oral, Category 4</td></tr> <tr> <td>Eye Irrit. 2A</td><td>Serious eye damage or eye irritation, Category 2A</td></tr> <tr> <td>Skin Irrit. 2</td><td>Skin corrosion or irritation, Category 2</td></tr> <tr> <td>STOT SE 3</td><td>Specific target organ toxicity, single exposure, Respiratory tract irritation, Category 3</td></tr> </table> <p><b>Further Information</b> The information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assume no liability resulting from its use. The information is offered solely for user's obligation to investigate and determine the suitability of the information for their particular purpose.</p>	H302	Harmful if swallowed	H315	Causes skin irritation	H319	Causes serious eye irritation	H335	May cause respiratory irritation	Acute Tox.oral 4	Acute toxicity, oral, Category 4	Eye Irrit. 2A	Serious eye damage or eye irritation, Category 2A	Skin Irrit. 2	Skin corrosion or irritation, Category 2	STOT SE 3	Specific target organ toxicity, single exposure, Respiratory tract irritation, Category 3
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