



Dehydrated Culture Media
Bases / Media Supplements

Material Safety Data Sheet

Name of the Product		Littman Bile Agar Base														
Code No.		DM 1373														
Section 1	: Chemical Identification															
	Code No.	:	DM 1373													
	Name of the Product	:	Littman Bile Agar Base													
	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 <i>CLP Classification-Regulation (EC) No. 1272/2008[EU-GHS/CLP]</i> Not a hazardous substance or mixture according to Regulation (EC) No.1272/2008.														
	2.2	Label elements <i>Labeling according to Regulation (EC) No.1272/2008</i> <i>The product does not need to be labelled in accordance with EC directives or respective national laws.</i>														
	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">Crystal violet</td></tr><tr><td>CAS No. :</td><td>548-62-9</td><td rowspan="3">As Per EC Regulation 1272/2008 >=0.01 - <=0.1%</td></tr><tr><td>EC No. :</td><td>208-953-6</td></tr><tr><td>Index-No :</td><td>612-204-00-2</td></tr></table>		Component	Classification	Concentration	Crystal violet			CAS No. :	548-62-9	As Per EC Regulation 1272/2008 >=0.01 - <=0.1%	EC No. :	208-953-6	Index-No :	612-204-00-2
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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 <i>General advice</i> Consult a physician. Show this safety data sheet to the doctor in attendance. <i>If inhaled</i> If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. <i>In case of skin contact</i> Wash off with soap and plenty of water. Consult a physician. <i>In case of eye contact</i> Rinse immediately with plenty of water for at least 15 minutes. Consult a physician. <i>If swallowed</i> Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.														
	4.2	Most important symptoms and effects, both acute and delayed No data available.														



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	4.3 Indication of immediate medical attention and special treatment needed No data available
Section 5	Fire Fighting Measures
	5.1 Extinguishing media <i>Suitable extinguishing media</i> Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. <i>Unsuitable extinguishing media</i> No data available. 5.2 Special hazards arising from the substance or mixture Carbon oxides, Nitrogen oxides (NO_x) 5.3 Precautions for fire-fighters Wear self contained breathing apparatus for fire fighting if necessary 5.4 Further information No data available
Section 6	Accidental Release Measures
	6.1 Personal precautions, protective equipment and emergency procedures Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. 6.2 Environmental precautions Prevent further leakage or spillage if safe to do so. Do not let product enter drains. 6.3 Methods and materials for containment and cleaning up Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. 6.4 Reference to other sections For disposal see Section 13.
Section 7	Handling and Storage
	7.1 Precautions for safe handling Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Normal measures for preventive fire protection. 7.2 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. Recommended Storage Temperature : On receipt store between 10-30°C 7.3 Specific end uses Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.
Section 8	Exposure Controls / Personal Protection
	8.1 Control parameters Components with workplace control parameters 8.2 Exposure controls <i>Appropriate engineering controls</i> Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the products. <i>Personal protective equipment</i> <i>Hygiene measure</i> Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with the product. <i>Eye/face protection</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).



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	Skin protection 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 2016/425/EEC and the standard EN ISO 374-1/2016 derived from it. Body protection 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. Respiratory protection 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). Environment exposure controls Do not empty into drains.																																				
Section 9	Physical and Chemical Properties																																				
	9.1 Information on basic physical and chemical properties <table><tr><td>Appearance</td><td>Light Yellow to light Brown may have green tinge 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>6.80 - 7.20</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> 9.2 Other safety information No data available	Appearance	Light Yellow to light Brown may have green tinge Homogenous free . flowing powder .	Odour	No data available	Odour Threshold	No data available	pH	6.80 - 7.20	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	Stability and Reactivity																																				
	10.1 Reactivity No data available 10.2 Chemical stability No data available 10.3 Possibility of hazardous reactions No data available 10.4 Conditions to avoid No data available 10.5 Incompatible materials No data available																																				



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	10.6 Hazardous decomposition products Refer Section 5.2
Section 11	Toxicological Information
	11.1 Information on toxicological effects Acute toxicity No data available Skin corrosion/irritation No data available Serious eye damage/eye irritation No data available Respiratory or skin sensitisation No data available Germ cell mutagenicity No data available Carcinogenicity 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 No data available Specific target organ toxicity- single exposure No data available Aspiration hazard No data available Potential Health Effects Inhalation REFER SECTION 2 Skin REFER SECTION 2 Eye REFER SECTION 2 Ingestion REFER SECTION 2 Additional Information RTECS : No data available 11.2 Components Crystal Violet Acute Oral Toxicity Rat LD50: 420 mg/kg Eye Irritation Irritant to eyes CMR Effects Carcinogenicity: Suspected of causing cancer Additional information: RTECS: BO9000000



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Section 12	Ecological Information
	12.1 Toxicity No data available Components: Toxicity to fish S.gairdnerii LC50: 0.7 mg/l; 96 h Toxicity to bacteria Bacteria EC50: 10-100 mg/l;96 h 12.2 Persistence and degradability No data available 12.3 Bioaccumulative potential No data available 12.4 Mobility in soil No data available 12.5 PBT and vPvB assessment This substance or mixture contains no components considered to be persistent,bioaccumulating nor toxic (PBT) at levels of 0.1% or higher. 12.6 Other adverse effects No data available
Section 13	Disposal Considerations
	13.1 Waste treatments methods Product Offer surplus and non-recyclable solutions to a licenced disposal company. Contact a licenced professional waste disposal service to dispose off this material. 13.2 Contaminated packaging Dispose of as unused product.
Section 14	Transport Information
	14.1 UN-No ADNR: ADR: IATA_C: IATA_P: IMDG: RID: 14.2 UN proper shipping name 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 14.3 Transport hazard class (es) ADNR: ADR: IATA_C: IATA_P: IMDG: RID: 14.4 Packaging group ADNR: ADR: IATA_C: IATA_P: IMDG: RID: 14.5 Environmental hazards ADNR : No ADR : No IMDG : Marine pollutant No IATA_C : No IATA_P : No RID : No 14.6 Special precautions for use No data available



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Section 15	Regulatory Information																
	This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006. 15.1 Safety health and environment regulations/legislation specific for the substance or mixture No data available 15.2 Chemical Safety Assessment No data available																
Section 16	Other Information																
	<table><tr><td>H302</td><td>Harmful if swallowed</td></tr><tr><td>H318</td><td>Causes serious eye damage</td></tr><tr><td>H351</td><td>Suspected of causing cancer</td></tr><tr><td>H410</td><td>Very toxic to aquatic life with long lasting effects</td></tr><tr><td>Acute Tox.oral 4</td><td>Acute toxicity, oral, Category 4</td></tr><tr><td>Aquatic Chronic 1</td><td>Hazardous to the aquatic environment, long term hazard, Category 1</td></tr><tr><td>Carc. 2</td><td>Carcinogenicity, Category 2</td></tr><tr><td>Eye Dam. 1</td><td>Serious eye damage or eye irritation, Category 1</td></tr></table> Further Information 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.	H302	Harmful if swallowed	H318	Causes serious eye damage	H351	Suspected of causing cancer	H410	Very toxic to aquatic life with long lasting effects	Acute Tox.oral 4	Acute toxicity, oral, Category 4	Aquatic Chronic 1	Hazardous to the aquatic environment, long term hazard, Category 1	Carc. 2	Carcinogenicity, Category 2	Eye Dam. 1	Serious eye damage or eye irritation, Category 1
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