




Dehydrated Culture Media
Bases / Media Supplements

Material Safety Data Sheet

Name of the Product		LCN Supplement
Code No.		MS 2338
Section 1	Chemical Identification	
	Code No.	: MS 2338
	Name of the Product	: LCN Supplement
	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	
	<p>2.1 Classification of the substance or mixture CLP Classification-Regulation (EC) No. 1272/2008[EU-GHS/CLP]</p> <p>Acute toxicity, Oral, (Category 1), H300 Skin corrosion or irritation, (Category 2), H315 Sensitisation, respiratory, (Category 1), H334 Germ cell mutagenicity, (Category 2), H341 Reproductive toxicity, (Category 1A), H360D Hazardous to the aquatic environment, long term hazard, (Category 2), H411</p>	
	<p>2.2 Label elements Labeling according to Regulation (EC) No.1272/2008</p>	
		
	Pictogram	
	Signal word Danger	
	Hazard Statement(s)	
	H300	Fatal if swallowed
	H341	Suspected of causing genetic defects
	H315	Causes skin irritation
	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
	H411	Toxic to aquatic life with long lasting effects
	H360D	May damage the unborn child
	Precautionary Statement(s)	
	P201	Obtain special instructions before use.
	P301+P312+P330	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
	P302 + P352	IF ON SKIN: wash with plenty of soap and water.
	P332/P337 +P313	IF skin irritation/eye irritation persists: Get medical advice/attention.
	P273	Avoid release to the environment.
	<p>2.3 Other Hazards None</p>	



Section 3	Composition/Information On Ingredients		
	3.2 Mixture		
	Component	Classification	Concentration
	Actidione (Cycloheximide)		
	CAS No. : 66-81-9 EC No. : 200-636-0 Index-No : 613-140-00-8	As Per EC Regulation 1272/2008 Acute Tox. oral. 1; Skin Irrit. 2; Muta. 2; Repr. 1B; Aquatic Chronic 2 H300; H315; H341; H360D; H411	>=90 - <=100%
	Component	Classification	Concentration
	Nalidixic acid		
	CAS No. : 389-08-2 EC No. : 206-864-7	As Per EC Regulation 1272/2008 Acute Tox.oral 4 H302	>=1 - <=10%
	Refer Section 16 for complete statement of H codes and its classification		
Section 4	First - Aid Measures		
	<p>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 with plenty of soap and water. Consult a physician. In case of eye contact Rinse immediately with plenty of water for at least 15 minutes. Consult a physician. If swallowed Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician</p> <p>4.2 Most important symptoms and effects, both acute and delayed No data available.</p> <p>4.3 Indication of immediate medical attention and special treatment needed No data available.</p>		
Section 5	Fire Fighting Measures		
	<p>5.1 Extinguishing media Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Unsuitable extinguishing media No data available.</p> <p>5.2 Special hazards arising from the substance or mixture Nature of decomposition products not known.</p> <p>5.3 Precautions for fire-fighters Wear self contained breathing apparatus for fire fighting if necessary</p> <p>5.4 Further information No data available</p>		



Section 6	Accidental Release Measures
	<p>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.</p> <p>6.2 Environmental precautions Prevent further leakage or spillage if safe to do so. Do not let product enter drains.</p> <p>6.3 Methods and materials for containment and cleaning up Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.</p> <p>6.4 Reference to other sections For disposal see Section 13.</p>
Section 7	Handling and Storage
	<p>7.1 Precautions for safe handling Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Normal measures for preventive fire protection.</p> <p>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 2-8°C</p> <p>7.3 Specific end uses Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.</p>
Section 8	Exposure Controls / Personal Protection
	<p>8.1 Control parameters Components with workplace control parameters</p> <p>8.2 Exposure controls Appropriate engineering controls Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the products. Personal protective equipment Hygiene measure Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with the product. Eye/face protection 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). 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 89/686/EEC and the standard EN 374 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.</p>



Section 9	Physical and Chemical Properties																																				
	<p>9.1 Information on basic physical and chemical properties</p> <table> <tr><td>Appearance</td><td>White homogeneous 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>No data available</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>9.2 Other safety information No data available</p>	Appearance	White homogeneous powder	Odour	No data available	Odour Threshold	No data available	pH	No data available	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																																				
	<p>10.1 Reactivity No data available</p> <p>10.2 Chemical stability No data available</p> <p>10.3 Possibility of hazardous reactions No data available</p> <p>10.4 Conditions to avoid No data available</p> <p>10.5 Incompatible materials No data available</p> <p>10.6 Hazardous decomposition products Other Decomposition products not known.</p>																																				
Section 11	Toxicological Information																																				
	<p>11.1 Information on toxicological effects</p> <p>Acute toxicity No data available</p> <p>Skin corrosion/irritation Mixture may cause skin irritation.</p> <p>Serious eye damage/eye irritation No data available</p> <p>Respiratory or skin sensitisation No data available</p>																																				



	<p>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. IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Phenol)</p> <p>Specific target organ toxicity- single exposure No data available</p> <p>Specific target organ toxicity - repeated exposure No data available</p> <p>Aspiration hazard No data available</p> <p>Potential Health Effects</p> <p>Inhalation REFER SECTION 2</p> <p>Skin REFER SECTION 2</p> <p>Eye REFER SECTION 2</p> <p>Ingestion REFER SECTION 2</p> <p>Additional Information RTECS : no data available</p> <p>11.2 Components</p> <p>Cycloheximide <i>Acute oral Toxicity</i> <i>Rat LD50: 2mg.kg</i> <i>Skin Corrosion/Irritation</i> Skin-rabbit Result: Skin irritation: 24 h <i>Germ cell mutagenicity</i> Lab experiments have shown mutagenic effects. Invitro tests showed mutagenic effects. <i>Reproductive toxicity</i> May cause congenital malformation in the fetus. Presumed human reproductive toxicant. Liver-irregularities-based on human evidence.</p> <p>Additional Information RTECS:MA4375000</p>
Section 12	Ecological Information
	<p>12.1 Toxicity No data available</p> <p>12.2 Persistence and degradability No data available</p> <p>12.3 Bioaccumulative potential No data available</p> <p>12.4 Mobility in soil No data available</p>



	<p>12.5 PBT and vPvB assessment PBT/vPvB assessment was not conducted as chemical safety assessment is not required.</p> <p>12.6 Other adverse effects No data available</p>
Section 13	Disposal Considerations
	<p>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.</p> <p>13.2 Contaminated packaging Dispose of as unused product.</p>
Section 14	Transport Information
	<p>14.1 UN-No ADNR : 2811 ADR : 2811 IATA_C : 2811 IATA_P : 2811 IMDG : 2811 RID : 2811</p> <p>14.2 UN proper shipping name ADNR : Toxic solids, organic, n.o.s . ADR : Toxic solids, organic, n.o.s . IATA_C : Toxic solids, organic, n.o.s . IATA_P : Toxic solids, organic, n.o.s . IMDG : Toxic solids, organic, n.o.s . RID : Toxic solids, organic, n.o.s .</p> <p>14.3 Transport hazard class (es) ADNR : 6.1 ADR : 6.1 IATA_C : 6.1 IATA_P : 6.1 IMDG : 6.1 RID : 6.1</p> <p>14.4 Packaging group ADNR:I ADR:I IATA_C:I IATA_P:I IMDG: I RID: I</p> <p>14.5 Environmental hazards ADNR : No ADR : No IMDG : Marine pollutant No IATA_C : No IATA_P : No RID : No</p> <p>14.6 Special precautions for use No data available</p>
Section 15	Regulatory Information
	<p>This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.</p> <p>15.1 Safety health and environment regulations/legislation specific for the substance or mixture No data available</p> <p>15.2 Chemical Safety Assessment No data available</p>
Section 16	Other Information
	<p>Text of H codes and classification mentioned in section 3</p> <p>H300 Fatal if swallowed</p> <p>H302 Harmful if swallowed</p> <p>H315 Causes skin irritation</p> <p>H341 Suspected of causing genetic defects</p> <p>H360D May damage the unborn child</p> <p>H411 Toxic to aquatic life with long lasting effects</p> <p>Acute Tox. oral. 1 Acute toxicity, oral, Category 1</p> <p>Acute Tox.oral 4 Acute toxicity, oral, Category 4</p> <p>Aquatic Chronic 2 Hazardous to the aquatic environment, long term hazard, Category 2</p> <p>Muta. 2 Germ cell mutagenicity, Category 2</p> <p>Repr. 1B Reproductive toxicity, Category 1B</p>



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Skin Irrit. 2

Skin corrosion or irritation, Category 2

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.