




Dehydrated Culture Media
Bases / Media Supplements

Material Safety Data Sheet

Name of the Product Code No. Section 1 : Chemical Identification		Campylobacter Selective Supplement w/ Hemin (Karmali) MS 2132										
Code No. : MS 2132 Name of the Product : Campylobacter Selective Supplement w/ Hemin (Karmali) 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, Skin, (Category 1), H317 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> <div style="text-align: center;">  </div> <p>Pictogram Signal word Danger Hazard Statement(s) H300: Fatal if swallowed H315: Causes skin irritation H317: May cause an allergic skin reaction H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled H341: Suspected of causing genetic defects H411: Toxic to aquatic life with long lasting effects H360D: May damage the unborn child Precautionary Statement(s) P201: Obtain special instructions before use. P261: Avoid breathing dust/fume/gas/mist/vapours/spray P264: Wash hands thoroughly after handling. Wash skin thoroughly after handling P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P308+P313: IF exposed or concerned: Get medical advice/attention.</p> <p>2.3 Other Hazards None</p>											
Section 3	Composition/Information On Ingredients											
	<p>3.2 Mixture</p> <table border="1" style="width: 100%;"> <thead> <tr> <th>Component</th> <th>Classification</th> <th>Concentration</th> </tr> </thead> <tbody> <tr> <td colspan="3">Actidione (Cycloheximide)</td> </tr> <tr> <td>CAS No. : 66-81-9 EC No. : 200-636-0 Index No.: 613-140-00-8</td> <td>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</td> <td>>=30 - <=40%</td> </tr> </tbody> </table>			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	>=30 - <=40%
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Component	Classification	Concentration
Cefoperazone,sodium		
CAS No. : 62893-20-3 EC No. : 263-751-5	As Per EC Regulation 1272/2008 Skin Sens. 1; Resp. Sens. 1 H317; H334	>=10 - <=20%
Component	Classification	Concentration
Vancomycin hydrochloride		
CAS No. : 1404-93-9	As Per EC Regulation 1272/2008 Skin Sens. 1 H317	>=1 - <=10%
Refer Section 16 for complete statement of H codes and its classification		
Section 4	First - Aid Measures	
4.1	<p>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.</p>	
4.2	<p>Most important symptoms and effects, both acute and delayed No data available.</p>	
4.3	<p>Indication of immediate medical attention and special treatment needed No data available</p>	
Section 5	Fire Fighting Measures	
5.1	<p>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.</p>	
5.2	<p>Special hazards arising from the substance or mixture Carbon oxides, nitrogen oxides (NOx), Sodium oxides</p>	
5.3	<p>Precautions for fire-fighters Wear self contained breathing apparatus for fire fighting if necessary</p>	
5.4	<p>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> <p>Appearance Grey powder</p> <p>Odour No data available</p> <p>Odour Threshold No data available</p> <p>pH No data available</p> <p>Melting/freezing point No data available</p> <p>Initial boiling point and boiling range No data available</p> <p>Flash point No data available</p> <p>Flammability (Solid, gas) No data available</p> <p>Vapour pressure No data available</p> <p>Relative density No data available</p> <p>Water Solubility No data available</p> <p>Partition coefficient: n-octanol/water No data available</p> <p>Autoignition Temperature No data available</p> <p>Viscosity No data available</p> <p>Explosive properties No data available</p> <p>Oxidizing properties No data available</p> <p>Vapour density No data available</p> <p>Thermal decomposition No data available</p> <p>9.2 Other safety information</p> <p>No data available</p>
Section 10	Stability and Reactivity
	<p>10.1 Reactivity</p> <p>No data available</p> <p>10.2 Chemical stability</p> <p>No data available</p> <p>10.3 Possibility of hazardous reactions</p> <p>No data available</p> <p>10.4 Conditions to avoid</p> <p>No data available</p> <p>10.5 Incompatible materials</p> <p>No data available</p> <p>10.6 Hazardous decomposition products</p> <p>Other Decomposition products not known.</p>
Section 11	Toxicological Information
	<p>11.1 Information on toxicological effects</p> <p>Acute toxicity</p> <p>No data available</p> <p>Skin corrosion/irritation</p> <p>Mixture may cause skin irritation.</p> <p>Serious eye damage/eye irritation</p> <p>Mixture may cause eye irritation.</p> <p>Respiratory or skin sensitisation</p> <p>No data available</p> <p>Germ cell mutagenicity</p> <p>No data available</p>



11.2	<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.</p> <p>Reproductive toxicity No data available</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 Inhalation</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>Components</p> <p>Cycloheximide <i>Acute Oral Toxicity</i> Rat LD50 :2mg/kg <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> <p>Vancomycin Hydrochloride <i>Acute Oral Toxicity</i> Rat LD50 :10,000mg/kg Mouse LD50: 5,000 mg/kg <i>Acute Intraperitoneal Toxicity</i> Rat LD50 : 2218mg/kg Mouse LD50: 1734 mg/kg <i>Acute Intravenous Toxicity</i> Rat LD50 :319 mg/kg <i>Acute Subcutaneous Toxicity</i> Mouse LD50 : >5000 mg/kg</p> <p>Additional Information RTECS: YW4380000</p>
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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:II ADR :II IATA_C :II IATA_P :II IMDG:II RID:II</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>



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Section 16	<p>Other Information</p> <p>Text of H codes and classification mentioned in section 3 H300: Fatal if swallowed H315: Causes skin irritation H317: May cause an allergic skin reaction . H334: May cause allergy or asthma symptoms or breathing difficulties Inhaled . H341: Suspected of causing genetic defects H360D: May damage the unborn child H411: Toxic to aquatic life with long lasting effects Acute Tox. oral. 1: Acute toxicity, oral, Category 1 Aquatic Chronic 2: Hazardous to the aquatic environment, long term hazard, Category 2 Muta. 2: Germ cell mutagenicity, Category 2 Repr. 1B : Reproductive toxicity, Category 1B Resp. Sens. 1: Sensitisation, respiratory, Category 1 Skin Irrit. 2: Skin corrosion or irritation, Category 2 Skin Sens. 1: Sensitisation, Skin, Category 1</p> <p>Further Information</p> <p>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>
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