




Dehydrated Culture Media
Bases / Media Supplements

Material Safety Data Sheet

Name of the Product Code No. Section 1 : Chemical Identification		Modified CFC Selective Supplement MS 2281
Code No. : MS 2281 Name of the Product : Modified CFC Selective 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>Sensitisation, Skin, (Category 1), H317 Serious eye damage or eye irritation, (Category 2A), H319 Skin corrosion or irritation, (Category 2), H315 Sensitisation, respiratory, (Category 1), H334 Specific target organ toxicity, single exposure, Respiratory tract irritation, (Category 3), H335 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> <p></p> <p>Pictogram Signal word Danger Hazard Statement(s)</p> <p>H315 Causes skin irritation H317 May cause an allergic skin reaction H319 Causes serious eye irritation H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled H335 May cause respiratory irritation H411 Toxic to aquatic life with long lasting effects</p> <p>Precautionary Statement(s)</p> <p>P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/protective clothing/eye protection/face protection. P273 Avoid release to the environment. P304 + P340 IF INHALED: Remove person to fresh air and Keep comfortable for breathing. P302 + P352 IF ON SKIN: wash with plenty of soap and water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contactlenses, if present and easy to do. Continue rinsing. P337 + P313 IF eye irritation persists: Get medical advice/attention. P333 + P313 IF SKIN irritation or rash occurs: Get medical advice/attention. P312 Call a POISON CENTER or doctor/physician if you feel unwell.</p> <p>2.3 Other Hazards None</p>	



Section 3	Composition/Information On Ingredients															
3.1 Mixture																
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Refer Section 16 for complete statement of H codes and its classification																
Section 4	First - Aid Measures															
<p data-bbox="316 1155 762 1182">4.1 Description of first aid measures</p> <p data-bbox="434 1187 587 1214">General advice</p> <p data-bbox="434 1218 1181 1245">Consult a physician. Show this safety data sheet to the doctor in attendance.</p> <p data-bbox="434 1249 533 1276">If inhaled</p> <p data-bbox="434 1281 1257 1308">If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.</p> <p data-bbox="434 1339 657 1366">In case of skin contact</p> <p data-bbox="434 1370 1024 1397">Wash off with soap and plenty of water. Consult a physician.</p> <p data-bbox="434 1402 654 1429">In case of eye contact</p> <p data-bbox="434 1433 1248 1460">Rinse immediately with plenty of water for at least 15 minutes. Consult a physician.</p> <p data-bbox="434 1464 564 1491">If swallowed</p> <p data-bbox="434 1496 1241 1523">Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.</p> <p data-bbox="316 1576 1062 1603">4.2 Most important symptoms and effects, both acute and delayed</p> <p data-bbox="434 1608 609 1635">No data available.</p> <p data-bbox="316 1639 1158 1666">4.3 Indication of immediate medical attention and special treatment needed</p> <p data-bbox="434 1671 603 1697">No data available</p>																
Section 5	Fire Fighting Measures															
<p data-bbox="316 1756 625 1783">5.1 Extinguishing media</p> <p data-bbox="418 1787 715 1814">Suitable extinguishing media</p> <p data-bbox="418 1818 1129 1845">Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.</p> <p data-bbox="418 1850 740 1877">Unsuitable extinguishing media</p> <p data-bbox="418 1881 596 1908">No data available.</p> <p data-bbox="316 1912 957 1939">5.2 Special hazards arising from the substance or mixture</p> <p data-bbox="418 1944 871 1971">Nature of decomposition products not known.</p> <p data-bbox="316 1975 702 2002">5.3 Precautions for fire-fighters</p> <p data-bbox="418 2007 1094 2033">Wear self contained breathing apparatus for fire fighting if necessary</p>																



	<p>5.4 Further information No data available</p>
Section 6	<p>Accidental Release Measures</p> <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	<p>Handling and Storage</p> <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	<p>Exposure Controls / Personal Protection</p> <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>Yellowish white 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	Yellowish white 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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	<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 Mixture may cause eye irritation</p> <p>Respiratory or skin sensitisation Mixture may cause skin sensitisation.</p> <p>Germ cell mutagenicity 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.</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>Eyes REFER SECTION 2</p> <p>Ingestion REFER SECTION 2</p> <p>Additional Information RTECS : Not Available</p> <p>11.2 Components</p> <p>Cetrimide</p> <p><i>Acute Oral Toxicity</i> Rat LD50: 410 mg/kg (RTECS)</p> <p><i>Eye Irritation</i> Rabbit- Irritant to eyes</p> <p><i>Skin Irritation</i> Rabbit- Mild irritant to skin and mucous membranes</p> <p><i>Skin Sensitization</i> No sensitizing effects known</p> <p><i>Respiratory or Skin Sensitization</i> No sensitizing effects known</p> <p><i>Subacute to chronic toxicity</i> Target organs: Respiratory tract, eyes, kidneys, and skin.</p> <p><i>Specific target organ toxicity-single exposure</i> Inhalation-May cause respiratory irritation</p> <p><i>Specific target organ toxicity-repeated exposure</i> Oral-May cause damage to organs through prolonged or repeated exposure</p> <p>Carcinogenicity Classification Not listed in IARC (International Agency for Research on Cancer) Not listed in NTP (National Toxicology Program)</p> <p>Additional information: RTECS BQ7875000</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: 3263 ADR: 3263 IATA_C: 3263 IATA_P: 3263 IMDG: 3263 RID: 3263</p> <p>14.2 UN proper shipping name ADNR : Corrosive solid, basic, organic, n.o.s. ADR : Corrosive solid, basic, organic, n.o.s. IATA_C : Corrosive solid, basic, organic, n.o.s. IATA_P : Corrosive solid, basic, organic, n.o.s. IMDG : Corrosive solid, basic, organic, n.o.s. RID : Corrosive solid, basic, organic, n.o.s.</p> <p>14.3 Transport hazard class (es) ADNR: 8 ADR: 8 IATA_C: 8 IATA_P: 8 IMDG: 8 RID: 8</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>
Section 16	Other Information
	<p>Text of H codes and classification mentioned in section 3</p> <p>H302 Harmful if swallowed H312 Harmful in contact with skin H314 Causes severe skin burns and eye damage H317 May cause an allergic skin reaction H318 Causes serious eye damage H332 Harmful if inhaled</p>



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	<p>H334</p> <p>Acute Tox. dermal. 4 Acute Tox.inhal. 4 Acute Tox.oral 4 Eye Dam. 1 Resp. Sens. 1 Skin Corr. 1B Skin Sens. 1</p> <p>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.</p>	<p>May cause allergy or asthma symptoms or breathing difficulties if inhaled</p> <p>Acute toxicity, dermal, Category 4 Acute toxicity, inhaled, Category 4 Acute toxicity, oral, Category 4 Serious eye damage or eye irritation, Category 1 Sensitisation, respiratory, Category 1 Skin corrosion or irritation, Category 1B Sensitisation, Skin, Category 1</p>
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