



# Material Safety Data Sheet

<b>Name of the Product</b>		<b>Minimum Essential Medium Eagle (MEM)</b> w/Earle's salts and L-Glutamine; w/o NEAA and Sodium bicarbonate <b>AT1020</b>
Code No.		
Section 1 :	<b>Chemical Identification</b>	
Code No.	:	<b>AT1020</b>
Name of the Product	:	<b>Minimum Essential Medium Eagle (MEM)</b> w/Earle's salts and L-Glutamine; w/o NEAA and Sodium bicarbonate
Produced	:	Central Drug House Pvt. Ltd.
Address	:	7/28 Vardaan House, Darya Ganj, New Delhi (INDIA)
Tel. No.	:	00 91 11 49404040
Section 2	<b>Hazards Identification</b>	
	<p><b>2.1 Classification of the substance or mixture</b> <b>CLP Classification-Regulation (EC) No. 1272/2008[EU-GHS/CLP]</b> Not a hazardous substance or mixture according to Regulation (EC) No.1272/2008</p> <p><b>2.2 Label elements</b> The product does not need to be labelled in accordance with EC directives or respective national laws.</p> <p><b>2.3 Other Hazards</b> <b>Results of PBT and vPvB assessment</b> Does not contain a PBT-/vPvB-substance in a concentration of <math>\geq 0,1\%</math>. <b>Endocrine disrupting properties</b> Does not contain an endocrine disruptor (EDC) in a concentration of <math>\geq 0,1\%</math>.</p>	
Section 3	<b>Composition/Information On Ingredients</b>	
	No components need to be disclosed according to the applicable regulations.	
Section 4	<b>First - Aid Measures</b>	
	<p><b>4.1 Description of first aid measures</b> <b>General advice</b> Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.</p> <p><b>If inhaled</b> If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.</p> <p><b>In case of skin contact</b> Wash off with soap and plenty of water. If skin irritation occurs, get medical advice/attention.</p> <p><b>In case of eye contact</b> Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart</p> <p><b>If swallowed</b> Rinse mouth with water (only if the person is conscious). Do not induce vomiting.</p> <p><b>4.2 Most important symptoms and effects, both acute and delayed</b> Symptoms and effects are not known till date.</p> <p><b>4.3 Indication of immediate medical attention and special treatment needed</b> None</p>	



Section 5	<b>Fire Fighting Measures</b>
	<p><b>5.1 Extinguishing media</b>  <i>Suitable extinguishing media</i>  Water, Foam, Alcohol resistant foam, ABC-powder  <i>Unsuitable extinguishing media</i>  Water jet</p> <p><b>5.2 Special hazards arising from the substance or mixture</b>  No data available</p> <p><b>5.3 Precautions for fire-fighters</b>  In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately.  Fight fire with normal precautions from a reasonable distance.</p>
Section 6	<b>Accidental Release Measures</b>
	<p><b>6.1 Personal precautions, protective equipment and emergency procedures</b>  <i>For non-emergency personnel</i>  Remove persons to safety.  <i>For emergency responders</i>  Wear breathing apparatus if exposed to vapours/dust/spray/gases</p> <p><b>6.2 Environmental precautions</b>  Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.</p> <p><b>6.3 Methods and materials for containment and cleaning up</b>  <i>Advice on how to contain a spill</i>  Covering of drains, Take up mechanically  <i>Advice on how to clean up a spill</i>  Take up mechanically  <i>Other information relating to spills and releases.</i>  Place in appropriate containers for disposal. Ventilate affected area.</p> <p><b>6.4 Reference to other sections</b>  Personal protective equipment: see section 8. Incompatible materials: see section 10.  Disposal considerations: see section 13.</p>
Section 7	<b>Handling and Storage</b>
	<p><b>7.1 Precautions for safe handling</b>  <i>Recommendations</i>  Measures to prevent fire as well as aerosol and dust generation.  Use local and general ventilation. Use only in well-ventilated areas. Ground/bond container and receiving equipment.  <i>Specific notes/details</i>  Dust deposits may accumulate on all deposition surfaces in a technical room. The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.  <i>Advice on general occupational hygiene</i>  Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feeding stuffs.</p> <p><b>7.2 Conditions for safe storage, including any incompatibilities</b>  <i>Managing of associated risks</i>  Explosive atmospheres</p>



	<p><b>Removal of dust deposits.</b> Specific designs for storage rooms or vessels <i>Storage temperature -Recommended storage temperature: 2 – 8 °C</i></p> <p><b>Packaging compatibilities</b> Only packagings which are approved (e.g. acc. to ADR) may be used.</p> <p><b>7.3 Specific end uses</b> See section 16 for a general overview.</p>																																				
Section 8	<b>Exposure Controls / Personal Protection</b>																																				
	<p><b>8.1 Control parameters</b> This information is not available.</p> <p><b>8.2 Exposure controls</b> <b>Appropriate engineering controls</b> General ventilation Individual protection measures (personal protective equipment) <b>Eye/face protection</b> Wear eye/face protection <b>Skin protection</b> Hand protection Wear protective gloves . <b>Other Protection Measure</b> Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling. <b>Respiratory protection</b> In case of inadequate ventilation wear respiratory protection <b>Environment exposure controls</b> Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.</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>White to light pink, homogenous powder</td></tr> <tr> <td>Odour</td><td>characteristics</td></tr> <tr> <td>Odour Threshold</td><td>No data available</td></tr> <tr> <td>pH</td><td>Not applicable</td></tr> <tr> <td>Melting/freezing point</td><td>Not determind</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>Upper/lower flammability or explosive limits</td><td>Not determind</td></tr> <tr> <td>Evaporation rate</td><td>No data available</td></tr> <tr> <td>Flammability (Solid, gas)</td><td>Non-combustible</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>Partition coefficient: n-octanol/water</td><td>No data available</td></tr> <tr> <td>Autoignition Temperature</td><td>Not determind</td></tr> <tr> <td>Decomposition Temperature</td><td>Non relevent</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> </table>	Appearance	White to light pink, homogenous powder	Odour	characteristics	Odour Threshold	No data available	pH	Not applicable	Melting/freezing point	Not determind	Initial boiling point and boiling range	No data available	Flash point	No data available	Upper/lower flammability or explosive limits	Not determind	Evaporation rate	No data available	Flammability (Solid, gas)	Non-combustible	Vapour pressure	No data available	Relative density	No data available	Partition coefficient: n-octanol/water	No data available	Autoignition Temperature	Not determind	Decomposition Temperature	Non relevent	Viscosity	No data available	Explosive properties	No data available	Oxidizing properties	No data available
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	<p>Vapour density Thermal decomposition Water solubility</p> <p><b>9.2 Other safety information</b> Miscibility: Completely miscible with water. Solvent contents: 0% Solid content : 0%</p>	<p>No data available No data available Miscible in any proportion</p>
Section 10	<b>Stability and Reactivity</b>	
	<p><b>10.1 Reactivity</b> Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".</p> <p><b>10.2 Chemical stability</b> The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.</p> <p><b>10.3 Possibility of hazardous reactions</b> No known hazardous reactions</p> <p><b>10.4 Conditions to avoid</b> There are no specific conditions known which have to be avoided.</p> <p><b>Hints to prevent fire or explosion</b> The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.</p> <p><b>10.5 Incompatible materials</b> There is no additional information</p> <p><b>10.6 Hazardous decomposition products</b> Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.</p>	
Section 11	<b>Toxicological Information</b>	
	<p><b>11.1 Information on toxicological effects</b> Test data are not available for the complete mixture.</p> <p><b>Classification procedure</b> The method for classification of the mixture is based on ingredients of the mixture (additivity formula).</p> <p><b>Classification according to GHS (1272/2008/EC, CLP)</b> <i>This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.</i></p> <p><b>Acute toxicity</b> Shall not be classified as acutely toxic</p> <p><b>Skin corrosion/irritation</b> Shall not be classified as corrosive/irritant to skin</p> <p><b>Serious eye damage/eye irritation</b> Shall not be classified as seriously damaging to the eye or eye irritant</p> <p><b>Respiratory or skin sensitisation</b> Shall not be classified as a respiratory or skin sensitiser</p> <p><b>Germ cell mutagenicity</b> Shall not be classified as germ cell mutagenic</p> <p><b>Carcinogenicity</b> Shall not be classified as carcinogenic</p> <p><b>Reproductive toxicity</b> <i>Shall not be classified as a reproductive toxicant</i></p> <p><b>Specific target organ toxicity- single exposure</b></p>	



	<p>Shall not be classified as a specific target organ toxicant (single exposure). <b>Specific target organ toxicity - repeated exposure</b> <i>Shall not be classified as a specific target organ toxicant (repeated exposure).</i> <b>Aspiration hazard</b> No data available</p>
Section 12	<b>Ecological Information</b>
	<p><b>12.1 Toxicity</b> No data available</p> <p><b>12.2 Persistence and degradability</b> <i>Biodegradation</i> The relevant substances of the mixture are readily biodegradable.</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> According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT- /vPvB-sub- stance in a concentration of <math>\geq 0,1\%</math>.</p> <p><b>12.6 Endocrine disrupting properties</b> Does not contain an endocrine disruptor (EDC) in a concentration of <math>\geq 0,1\%</math>.</p> <p><b>12.7 Other adverse effects</b> No data available</p>
Section 13	<b>Disposal Considerations</b>
	<p><b>13.1 Waste treatments methods</b> <b>Sewage disposal-relevant information</b> Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.</p> <p><b>Waste treatment of containers/packagings</b> It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.</p> <p><b>Remarks</b> Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.</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 goods ADR : Not dangerous goods IATA_C : Not dangerous goods IATA_P : Not dangerous goods IMDG : Not dangerous goods RID : Not dangerous goods</p>



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	<p><b>14.3 Transport hazard class(es)</b> ADNR : - ADR : - IATA_C : - IATA_P : - IMDG : - RID : -</p> <p><b>14.4 Packaging group</b> ADNR : - ADR : - IATA_C : - IATA_P : - IMDG : - RID : -</p> <p><b>14.5 Environmental hazards</b> Non-environmentally hazardous according to the dangerous goods regulations.</p> <p><b>14.6 Special precautions for use</b> Provisions for dangerous goods (ADR) should be complied within the premises.</p>
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>  <i>Relevant provisions of the European Union (EU)</i>  <i>Deco-Paint Directive</i>            Volatile Organic Compound content-0%  <i>Industrial Emissions Directive (IED)</i>            Volatile Organic Compound content-0%</p> <p><b>15.2 Chemical Safety Assessment</b>            Chemical safety assessments for substances in this mixture were not carried out.</p>
Section 16	<b>Other Information</b>
	<p><b>Further Information</b></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>