	Name of the Product		**Minimum Essential Medium Eagle (MEM)** w/ Earle's salts and NEAA; and L-Glutamine, w/o Sodium bicarbonate
Code No.			**AT1047**
Section 1 :	**Chemical Identification**		
	Code No.	:	**AT1047**
	Name of the Product		**Minimum Essential Medium Eagle (MEM)** w/ Earle's salts and NEAA; and L-Glutamine, w/o 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 Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

Not required

2.3 Other Hazards

Of on significance

Section 3 Composition/Information On Ingredients

3.1 Substances

Not relevent (mixture)

3.2 Mixtures

Description of the mixture

This product does not meet the criteria for classification in any hazard class according to GHS

Section 4 First - Aid Measures

4.1 Description of first aid measures

General advice

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.

Following inhaled

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air .

Following skin contact

Wash off with soap and plenty of water. If skin irritation occurs,get medical advice/attention.

Following eye contact

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

Following Ingestion

Rinse mouth with water (only if the person is conscious). Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known till date.

4.3 Indication of immediate medical attention and special treatment needed

None

Section 5 Fire Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media

Water, Foam, Alcohol resistant foam, ABC-powder

Unsuitable extinguishing media

Water jet

	5.2 Special hazards arising from the substance or mixture No data available **5.3 Precautions for fire-fighters** 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.
Section 6	**Accidental Release Measures**
	6.1 Personal precautions, protective equipment and emergency procedures ***For non-emergency personnel*** Remove persons to safety. ***For emergency responders*** Wear breathing apparatus if exposed to vapours/dust/spray/gases **6.2 Environmental precautions** Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. **6.3 Methods and materials for containment and cleaning up** ***Advice on how to contain a spill*** Covering of drains, Take up mechanically ***Advice on how to clean up a spill*** Take up mechanically ***Other information relating to spills and releases***. Place in appropriate containers for disposal. Ventilate affected area. **6.4 Reference to other sections** Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: seesection 13.
Section 7	**Handling and Storage**
	7.1 Precautions for safe handling ***Recommendations*** 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. ***Specific notes/details*** 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. ***Advice on general occupational hygiene*** 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. **7.2 Conditions for safe storage, including any incompatibilities** ***Managing of associated risks*** ***Explosive atmospheres*** Removal of dust deposits. ***Specific designs for storage rooms or vessels*** ***Storage temperature -Recommended storage temperature: 2 – 8 °C*** ***Packaging compatibilities*** Only packagings which are approved (e.g. acc. to ADR) may be used. **7.3 Specific end uses** See section 16 for a general overview

Section 8	**Exposure Controls / Personal Protection**
	8.1 Control parameters This information is not available. **8.2 Exposure controls** ***Appropriate engineering controls*** General ventilation Individual protection measures (personal protective equipment) ***Eye/face protection*** Wear eye/face protection ***Skin protection*** Hand protection Wear protective gloves . ***Other Protection Measure*** Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling. ***Respiratory protection*** In case of inadequate ventilation wear respiratory protection ***Environment exposure controls*** Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.
Section 9	**Physical and Chemical Properties**
	9.1 Information on basic physical and chemical properties Physical state — solid Colour — White to light pink, homogenous powder Odour — characteristic Melting point/freezing point — not determined Boiling point or initial boiling point and boiling Range — not determined Flammability — non-combustible Lower and upper explosion limit — not determined Flash point — not applicable Auto-ignition temperature — not determined Decomposition temperature — not relevant pH (value) not applicable Kinematic viscosity — not relevant Solubility (ies) Water solubility — miscible in any proportion Partition coefficient Partition coefficient n-octanol/water (log value) — this information is not available Vapour pressure — not determined Density and/or relative density Density — not determined Relative vapour density — information on this property is not available Particle characteristics — no data available **9.2 Other information** Information with regard to physical hazard Classes — hazard classes acc. to GHS (physical hazards): not relevant Other safety characteristics Miscibility Completely miscible with water. Solvent content 0 % Solid content 0 %

Section 10	**Stability and Reactivity**
	10.1 Reactivity Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". **10.2 Chemical stability** The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure. **10.3 Possibility of hazardous reactions** No known hazardous reactions **10.4 Conditions to avoid** There are no specific conditions known which have to be avoided. **Hints to prevent fire or explosion** The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion. **10.5 Incompatible materials** There is no additional information **10.6 Hazardous decomposition products** Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.
Section 11	**Toxicological Information**
	11.1 Information on toxicological effects Test data are not available for the complete mixture. ***Classification procedure*** The method for classification of the mixture is based on ingredients of the mixture (additivity formula). ***Classification according to GHS (1272/2008/EC, CLP)*** *This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.* ***Acute toxicity*** Shall not be classified as acutely toxic ***Skin corrosion/irritation*** Shall not be classified as corrosive/irritant to skin ***Serious eye damage/eye irritation*** Shall not be classified as seriously damaging to the eye or eye irritant ***Respiratory or skin sensitisation*** Shall not be classified as a respiratory or skin sensitiser ***Germ cell mutagenicity*** Shall not be classified as germ cell mutagenic ***Carcinogenicity*** Shall not be classified as carcinogenic ***Reproductive toxicity*** *Shall not be classified as a reproductive toxicant* ***Specific target organ toxicity- single exposure*** Shall not be classified as a specific target organ toxicant (single exposure). ***Specific target organ toxicity - repeated exposure*** *Shall not be classified as a specific target organ toxicant (repeated exposure).* ***Aspiration hazard*** Shall not be classified as presenting an aspiration hazard. **11.2 Information on other hazards** There is no additional information

Section 12	**Ecological Information**
	12.1 Toxicity No data available *Biodegradation* The relevant substances of the mixture are readily biodegradable **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** No data available **12.6 Endocrine disrupting properties** Information on this property is not available **12.7 Other adverse effects** No data available
Section 13	**Disposal Considerations**
	13.1 Waste treatments methods ***Sewage disposal-relevant information*** Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets. ***Waste treatment of containers/packagings*** It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptiedpackages can be recycled. Handle contaminated packages in the same way as the substance itself. ***Remarks*** 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.
Section 14	**Transport Information**
	14.1 UN number or ID number not assigned **14.2 UN proper shipping name** not assigned **14.3 Transport hazard class(es)** not assigned **14.4 Packing group** not assigned **14.5 Environmental hazards** non-environmentally hazardous acc. to the dangerous goods regulations **14.6 Special precautions for user** Provisions for dangerous goods (ADR) should be complied within the premises. **14.7 Maritime transport in bulk according to IMO instruments** The cargo is not intended to be carried in bulk. **Information for each of the UN Model Regulations** **Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) - Additional information** not assigned **International Maritime Dangerous Goods Code (IMDG) - Additional information** not assigned **International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information** *not assigned*

Section 15	**Regulatory Information**
	15.1 Safety health and environment regulations/legislation specific for the substance or mixture *Relevant provisions of the European Union (EU)* *Deco-Paint Directive* Volatile Organic Compound content-0% ***Industrial Emissions Directive (IED)*** Volatile Organic Compound content-0% **15.2 Chemical Safety Assessment** Chemical safety assessments for substances in this mixture were not carried out.
Section 16	**Other Information**
	Abbreviations and Acronyms **AND :** Accord européen relatif au transport international des marchandises dangereuses par voies de naviga- tion intérieures (European Agreement concerning the International Carriage of Dangerous Goods by In- land Waterways) **ADR :** Accord relatif au transport international des marchandises dangereuses par route (Agreement concern- ing the International Carriage of Dangerous Goods by Road) **CLP :** Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures **DGR :** Dangerous Goods Regulations (see IATA/DGR) **GHS :** "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Na- tions **IATA :** International Air Transport Association **IATA/DGR :** Dangerous Goods Regulations (DGR) for the air transport (IATA) **ICAO :** International Civil Aviation Organization **IMDG :** International Maritime Dangerous Goods Code **PBT :** Persistent, Bioaccumulative and Toxic **REACH :** Registration, Evaluation, Authorisation and Restriction of Chemicals **RID :** Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regula- tions concerning the International carriage of Dangerous goods by Rail) **VOC :** Volatile Organic Compounds **vPvB :** Very Persistent and very Bioaccumulative ***Key literature references and sources for data*** Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU. Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA) ***Classification procedure*** Physical and chemical properties: The classification is based on tested mixture. Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula). **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.