

**MEM (Minimum Essential Medium), Liquid, with Earle's salts, with L-glutamine, and phenol red**

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH)

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 Product identifier**

Product Name	Minimum Essential Medium Eagle
Trade Name	MEM (Minimum Essential Medium), Liquid, with Earle's salts, with L-glutamine, and phenol red
CAS No.	Not applicable.
EC No.	Not applicable.
REACH Registration No.	Not known.
Product code	LSGMEM-002#

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Identified Use(s)	For research use only.
Uses Advised Against	Not known.

**1.3 Details of the supplier of the safety data sheet****Manufacturer**

Company Identification	Life Science Group Ltd
Address of Manufacturer	The Science Centre Sandy Bedfordshire
Postal code	SG19 1RE
Telephone:	+44 (0) 1234 889180
Fax	Not known.
E-mail	sales@lifesciencegroup.co.uk
Office hours	08:00 - 18:00

**1.4 Emergency telephone number**

Emergency Phone No.	+44 (0) 1234 889180
Contact	Jenny Murray
National response centre	
Address	NHS Direct
Emergency Phone No.	+44 111

**SECTION 2: HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

Not a hazardous mixture according to Regulation (EC) No 1272/2008

**2.2 Label elements**

Not a hazardous mixture according to Regulation (EC) No 1272/2008.

**2.3 Other hazards**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances**

Not applicable.

**3.2 Mixtures**

The product contains no substances which at their given concentration, are considered to be hazardous to health.

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Contains no non-classified vPvB substances.

Contains no non-classified substances with a Union workplace exposure limit.

For full text of H/P Statements see section 16.

**SECTION 4: FIRST AID MEASURES****4.1 Description of first aid measures**

Inhalation	If inhaled, remove person to fresh air. If breathing becomes difficult, contact a physician.
Skin Contact	In case of contact with skin, wash the affected area with copious amounts of water. Contact a physician.
Eye Contact	In case of contact with eyes, flush thoroughly with water. Contact a physician.
Ingestion	If swallowed, wash out mouth with water provided person is conscious. Contact physician.

**4.2 Most important symptoms and effects, both acute and delayed**

No data available.

**4.3 Indication of any immediate medical attention and special treatment needed**

No data available

**SECTION 5: FIREFIGHTING MEASURES****5.1 Extinguishing media**

Suitable Extinguishing media As appropriate for surrounding fire.

Unsuitable extinguishing media None.

**5.2 Special hazards arising from the substance or mixture**

May decompose in a fire, giving off toxic and irritant vapours.

**5.3 Advice for firefighters**

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Dike fire control water for later disposal.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Wear suitable protective clothing, gloves and eye/face protection.

**6.2 Environmental precautions**

Avoid release to the environment. Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

**6.3 Methods and material for containment and cleaning up**

Adsorb spillages onto sand, earth or any suitable adsorbent material. Contain spillages with sand, earth or any suitable adsorbent material. Earth may be shovelled to contain spillage and to avoid contamination of sewers and watercourses.

**6.4 Reference to other sections**

See Also Section 8, 13.

**SECTION 7: HANDLING AND STORAGE****7.1 Precautions for safe handling**

Wash hands and exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing

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dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product.

### 7.2 Conditions for safe storage, including any incompatibilities

Storage temperature	Store locked up.
Storage life	Ambient.
Incompatible materials	Stable under normal conditions.
	None known.

### 7.3 Specific end use(s)

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

8.1.1 Occupational Exposure Limits  
N/A

### 8.2 Exposure controls

8.2.1. Appropriate engineering controls Use with ventilation, local exhaust ventilation or breathing protection. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2. Personal protection equipment



Eye Protection

Wear eye protection.



Skin protection

Wear protective clothing and gloves.

8.2.3. Environmental Exposure Controls Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Physical state	Liquid.
Odour	Odourless
Melting point/freezing point	Not known.
Boiling point or initial boiling point and boiling range	Not known.
Flammability	Not known.
Lower and upper explosion limit	Not known.
Flash Point	Not known.
Auto-ignition temperature	Not known.
Decomposition Temperature	Not known.
pH	Not known.
Kinematic Viscosity	Not known.
Solubility	Solubility (Water) : Not known. Solubility (Other) : Not known.
Partition coefficient n-octanol/water (log value)	Not known.
Vapour pressure	Not known.
Density and/or relative density	Not known.

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Relative vapour density Not known.  
Particle characteristics Not known.

### 9.2 Other information

None.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

None anticipated.

### 10.2 Chemical Stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

### 10.4 Conditions to avoid

None anticipated.

### 10.5 Incompatible materials

Not known.

### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - Ingestion Not classified.  
Acute toxicity - Skin Contact Not classified.  
Acute toxicity - Inhalation Not classified.  
Skin corrosion/irritation Not classified.  
Serious eye damage/irritation Not classified.  
Skin sensitization data Not classified.  
Respiratory sensitization data Not classified.  
Germ cell mutagenicity Not classified.  
Carcinogenicity Not classified.  
Reproductive toxicity Not classified.  
Lactation Not classified.  
STOT - single exposure Not classified.  
STOT - repeated exposure Not classified.  
Aspiration hazard Not classified.

### 11.2 Information on other hazards

Not known.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

Toxicity - Aquatic invertebrates Not known.  
Toxicity - Fish Not known.  
Toxicity - Algae Not known.  
Toxicity - Sediment Compartment Not classified.  
Toxicity - Terrestrial Compartment Not classified.

### 12.2 Persistence and degradability

Not known.

### 12.3 Bioaccumulative potential

Not known.

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Not known.

**12.5 Results of PBT and vPvB assessment**

Not known.

**12.6 Endocrine disrupting properties**

None known.

**12.7 Other adverse effects**

Not known.

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

Dispose of contents in accordance with local, state or national legislation. Send to a licensed recycler, reclaimer or incinerator. Dispose of this material and its container to hazardous or special waste collection point. Dispose at suitable refuse site.

**13.2 Additional Information**

Disposal should be in accordance with local, state or national legislation.

**SECTION 14: TRANSPORT INFORMATION**

Not classified as hazardous for transport.

**14.1 UN number or ID number**

Not applicable

**14.2 UN proper shipping name**

Not applicable

**14.3 Transport hazard class(es)**

Not applicable

**14.4 Packing group**

Not applicable

**14.5 Environmental hazards**

Not classified as a Marine Pollutant.

**14.6 Special precautions for user**

Not known

**14.7 Maritime transport in bulk according to IMO instruments**

Not known

**SECTION 15: REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Not for concentrations used in this mixture.

**15.2 Chemical Safety Assessment**

A REACH chemical safety assessment has not been carried out.

**SECTION 16: OTHER INFORMATION**

The following sections contain revisions or new statements:

**LEGEND****Acronyms**

ATE : Acute Toxicity Estimate  
CAS : Chemical Abstracts Service

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CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

DNEL : Derived No Effect Level

EC : European Community

EINECS : European Inventory of Existing Commercial Chemical Substances

LTEL : Long term exposure limit

PBT : Persistent, Bioaccumulative and Toxic

PNEC : Predicted No Effect Concentration

REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals

STEL : Short term exposure limit

STOT : Specific Target Organ Toxicity

vPvB : very Persistent and very Bioaccumulative

Key literature references and sources  
for data used to compile the SDS

Regulation (EC) No. 1272/2008 (CLP)

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