

## 1 Identification

**Product Name:** MEM Amino Acid Solution

**Catalog Number:** MEL27

**Company:** Caisson Laboratories

**Address:** 836 South 100 East, Smithfield, UT 84335

**Telephone:** 435.755.7615

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**Emergency Contact:** CHEMTREC 800.424.9300 (703.527.3887)

**Recommended Use:** For research and laboratory use only.

**Restrictions On Use:** This product is intended for research and laboratory use only. Products are not to be used as human or animal therapeutics, cosmetics, agricultural or pesticidal products, food additives, or as household chemicals.

## 2 Hazard(s) Identification

### Classification of the Substance or Mixture

**GHS Classification:** Not a hazardous substance or mixture.

### GHS Label elements, including precautionary statements

**Signal Word:** Not hazardous

### Hazard Statements

Not a hazardous substance or mixture.

### Precautionary Statements

Not a hazardous substance or mixture.

### Pictograms:

## 3 Composition / Information on Ingredients

Component	CAS Number	EC Number	Concentrations (%)	Classification
No components need to be disclosed according to the applicable regulations.				Not a hazardous substance or mixture.

## 4 First-Aid Measures

**General advice:** If necessary, seek medical attention. Show this data sheet to the doctor in attendance. Move out of dangerous area.

### Route of Exposure

**If swallowed:** Never give anything by mouth to an unconscious person. Rinse mouth with water.

**In case of skin contact:** Wash off with soap and plenty of water.

**In case of eye contact:** Flush eyes with water as a precaution.

**If inhaled:** If breathed in, move person into fresh air. If not breathing, give artificial respiration.

**Most important symptoms and effects, both acute and delayed:** The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

**Recommendation for immediate medical care and special treatment needed:** No data available.

## 5 Fire-Fighting Measures

**Suitable extinguishing media:** Water spray, Carbon Dioxide, dry chemical powder or appropriate foam.

**Special protective equipment and precautions for fire-fighters:** Wear self-contained breathing apparatus and protective clothing.

**Special hazards arising from the substance or mixture:** Nature of decomposition products not known.

**Additional Information:** No data available.

## 6 Accidental Release Measures

**Personal precautions, protective equipment, and emergency procedures:** Avoid breathing vapours, mist or gas. For personal protection see section 8.

**Environmental precautions:** No special environmental precautions required.

**Methods and material for containment and cleanup:** Keep in suitable, closed containers for disposal.

## 7 Handling and Storage

**Precautions for safe handling:** For precautions see section 2.2.

**Conditions for safe storage:** Keep container tightly closed in a dry and well-ventilated place.

**Recommended storage temperature:** 2 - 8 °C

**Incompatibilities:** No data available.

## 8 Exposure Controls / Personal Protection

**OSHA Permissible Exposure Limits (PELs):** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**ACGIH Threshold Limit Values (TLVs):** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**Engineering controls:** General industrial hygiene practice. Ensure adequate ventilation, especially in confined areas.

### Personal Protective Equipment (PPE)

**Eye/face protection:** Wear chemical safety glasses or goggles. Have eye-washing facilities readily available where eye contact can occur.

**Skin protection:** Wear Impervious gloves.

**Respiratory protection:** Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Body protection:** Wear lab coat, gown, or coveralls to protect from exposure.

## 9 Physical and Chemical Properties

**Appearance:** Form: liquid

**pH:** No data available

**Solubility:** No data available

**Specific Gravity:** No data available

**Melting Range:** No data available

**Odor:** No data available

**Odor Threshold:** No data available

**Viscosity:** No data available

**Relative Density:** No data available

**Evaporation Rate:** No data available

**Initial Boiling Point and Boiling Range:** No data available

**Flash Point:** No data available

**Flammability (Solid, gas):** No data available

**Flammability Upper/Lower Limits:** No data available

**Partition Coefficient: n-octanol/water:** No data available

**Vapor Density:** No data available

**Vapor Pressure:** No data available

**Auto-ignition Temperature:** No data available

**Decomposition Temperature:** No data available

## 10 Stability and Reactivity

**Reactivity:** No data available.

**Chemical stability:** Stable under recommended storage conditions.

**Possibilities of hazardous reactions:** No data available.

**Conditions to avoid:** No data available.

**Incompatible materials:** No data available.

**Hazardous decomposition products:** Other decomposition products - no data available. In the event of fire: see section 5.

## 11 Toxicological Information

**Toxicity:** no data available

### Carcinogenicity

**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**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.

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity:** No data available.

**Symptoms associated with overexposure:** No data available.

**Specific target organ toxicity - single exposure:** No data available.

**Specific target organ toxicity - repeated exposure:** No data available.

**Target Organs:** No data available.

**Medical conditions aggravated by exposure:** No data available.

**Routes of entry:** No data available.

**NIOSH/RTECS:** Not listed

## 12 Ecological Information

**Toxicity:** No data available.

**Persistence and degradability:** No data available.

**Bioaccumulative potential:** No data available.

**Mobility in soil:** No data available.

**Results of PBT and vPvB:** PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

**Other adverse effects:** No data available.

## 13 Disposal Considerations

**Disposal of Product:** Dispose of in accordance with local regulations.

**Disposal of Packaging:** Dispose of as unused product.

## 14 Transport Information

### DOT (US)

Proper Shipping Name: Not Dangerous Goods

UN/NA number: N/A Class: N/A Packaging group: N/A Hazard Label: N/A

Reportable Quantity (RQ): N/A

Poison Inhalation Hazard: N/A

### IMDG

Proper Shipping Name: Not Dangerous Goods

UN number: N/A Class: N/A Packaging group: N/A Hazard Label: N/A

### IATA

Proper Shipping Name: Not Dangerous Goods

UN Number: N/A Class: N/A Packaging group: N/A Hazard Label: N/A

## 15 Regulatory Information

**TSCA:**

## SARA Title III

**Section 302 (EHS) Ingredients:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**Section 313 Ingredients:** This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Section 304 (EHS/CERCLA) Ingredients:** None.

**Section 311/312 Hazard:** No SARA Hazards.

## 16 Other Information

### HMIS Rating

**Health hazard:** 0

**Chronic health hazard:** 0

**Flammability:** 0

**Physical hazard:** 0

### NFPA Rating

**Health hazard:** 0

**Fire hazard:** 0

**Reactivity:** 0

**Special Hazard:**

**Further information:** All chemicals may pose unknown hazards and should be used with caution. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Caisson Laboratories, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.

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