

**I Identification**

Product Name: **MEM Non-Essential Amino Acids Solution**

Catalog Number: **NAL03**

Synonyms: **None**

Company: **Caisson Laboratories**

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Recommended Use:

Restrictions On Use:

**II Hazard(s) Identification**

Overview: **Complete toxicological properties have yet to be determined.**

Flammability: **Not flammable or combustible**

Reactivity:

Toxicity:

NFPA Rating

Health: **0**

Flammability: **0**

Reactivity: **0**

Special:

Pictograms:

**III Composition / Information on Ingredients**

General Information: **Not Available**

Component: **Not Available**

CAS#: **Not Available**

% by Weight: **The subject formulation is a nutrient blend of amino acids, vitamins, carbohydrates, organic and inorganic supplements and salts. With the exception of purified water, all ingredients are in concentrations of less than 1%.**

#### IV First-Aid Measures

General Information:

Route of Exposure

Oral: **If swallowed, wash out mouth with water provided person is conscious. Call a physician.**

Inhalation: **If breathing, move person into fresh air. If not breathing, give artificial respiration.**

Dermal: **In case of skin contact, flush with copious amounts of water.**

Eye: **In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.**

#### V Fire-Fighting Measures

General Information:

Flammable Properties

General: **Not flammable or combustible.**

Flash Point: **Not available**

Ignition Temperature: **Not available**

Suitable Extinguishing Media: **Water spray, carbon dioxide, Dry chemical powder or appropriate foam.**

Special Protective Equipment for fire fighters: **Wear self contained breathing apparatus for fire fighting if necessary.**

Additional Information:

#### VI Accidental Release Measures

General Information: **Use vermiculite to retain liquid. Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.**

#### VII Handling and Storage

Handling: **Follow good laboratory practices.**

Storage: **2 to 8 °C. Protect from light.**

#### VIII Exposure Controls / Personal Protection

General Information: **Contains no substances with occupational exposure limit values.**

Engineering Measures:

Personal Protective Equipment

General:

Eye Protection: **Safety glasses or goggles recommended.**

Hand Protection: **Chemical-resistant gloves recommended.**

Respiratory Protection: **Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges.**

Skin and Body Protection: **Impervious clothing**

Hygiene Measures: **Handle in accordance with good industrial hygiene and safety practices.**

**IX Physical and Chemical Properties**

General Information:

Appearance: **Clear solution.**

pH: **6-8**

Specific Gravity:

Melting Point:

Boiling Point:

Flash Point: **Not available**

Flammability Range:

Vapor Pressure:

**X Stability and Reactivity**

General Information:

Storage Stability

    Temperature: **2 to 8 degrees C**

    Light Sensitive: **True**

Incompatibles: **No data available**

Hazardous Decomposition Products: **Stable. Hazardous Polymerization will not occur.**

**XI Toxicological Information**

General Information:

Acute Toxicity: **No data available**

Chronic Toxicity: **No data available**

Local Effects: **No data available**

Target Organs: **No data available**

Carcinogenicity: **No data is available on the product itself.**

OSHA Permissible Exposure Limits: **No data available**

**XII Ecological Information**

General Information: **No data available**

**XIII Disposal Considerations**

General Information: **No data available**

Disposal of Product: **Observe all federal, state and local environmental regulations.**

Disposal of Packaging: **Rinse and dispose according to federal, state and local environmental regulations.**

**XIV Transport Information**

Proper Shipping Name: **CHEMICALS, N.O.S (NON-REGULATED)**

UN#: **n/a**

Class: **n/a**

Packaging Group: **n/a**

Hazard Label: **n/a**

**XV Regulatory Information**

General Information:

TSCA:

SARA 313:

**XVI Other Information**

General Information: **The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Caisson Laboratories, Inc. Shall not be held liable for any damage resulting from handling or from contact with the above product.**

Last Revision Date: 6 Sep, 2011