

I Identification

Product Name: **Ham's F-12 (Kaighn's Modification)**

Catalog Number: **HFL12**

Synonyms: **None**

Company: **Caisson Laboratories**

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

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