

I Material & Company Identification

Product Name: **Ham's F-12**

Catalog Number: **HFL04-500ML**

Synonyms:

Company: **Caisson Laboratories**

Address: **1740 Research Park Way, North Logan, UT 84341**

Telephone: **435.755.7615**

Fax: **435.755.7617**

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

II Composition / Information on Ingredients

General Information:

Component:

CAS#:

% 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%.**

III Hazards Identification

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

Flammability:

Reactivity:

Toxicity:

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

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:
 Flash Point:
 Ignition Temperature:
 Suitable Extinguishing Media: **Water spray, carbon dioxide, Dry chemical powder or appropriate foam.**
 Special Protective Equipment for fire fighters:
 Additional Information:

VI Accidental Release Measures

General Information: **Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: 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:
 Engineering Measures:
 Personal Protective Equipment
 General:
 Eye Protection: **Safety glasses or goggles recommended.**
 Hand Protection: **Chemical-resistant gloves recommended.**
 Respiratory Protection:
 Skin and Body Protection:
 Hygiene Measures:

IX Physical and Chemical Properties

General Information:
 Appearance: **Clear orange-red solution.**
 pH: **7.000**
 Specific Gravity:
 Melting Point:
 Boiling Point:
 Flash Point:
 Flammability Range:
 Vapor Pressure:

X Stability and Reactivity

General Information:
 Storage Stability
 Temperature: **2 - 8 °C**
 Light Sensitive: **True**
 Incompatibles:
 Hazardous Decomposition Products: **Stable. Hazardous Polymerization will not occur.**

XI Toxicological Information

General Information:
 Acute Toxicity:
 Chronic Toxicity:
 Local Effects:
 Target Organs:
 Carcinogenicity:
 OSHA Permissible Exposure Limits:

XII Ecological Information

General Information:

XIII Disposal Considerations

General Information:
 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#:

Class:

Packaging Group:

Hazard Label:

XV Regulatory Information

General Information:

XVI Other Information

General Information: