

# Material Safety Data Sheet

according to ISO 11014-1 — 93/112/EC.

## Ham's Nutrient Mixture F12

with 1.0 mM L-glutamine, without sodium bicarbonate

CATALOG NO. 56659

Observe all Import Permit requirements and normal safety regulations.

### Section I – Identification of Substance

**Product Name:**

Ham's Nutrient Mixture F12, with 1.0 mM L-glutamine, without sodium bicarbonate

**Product Number:**

56659

### Section II – Composition/Data on Components

**Product Classification:**

Dry Powder Cell Culture Media

The subject formulation is a nutrient blend of amino acids, vitamins, organic and inorganic supplements and salts. After preparation with purified water, all ingredients are in concentrations of less than 1%.

### Section III – Hazards Identification

Not applicable.

### Section IV – First Aid Measures

**Eye Contact:**

In case of contact with eyes, flush thoroughly with water and contact a physician.

**Ingestion:**

In case of accidental swallowing, rinse the mouth with fresh water provided the person is conscious. Contact a physician.

**Inhalation:**

If inhaled, remove to fresh air. If breathing becomes difficult, give oxygen. If not breathing, give artificial respiration. Contact a physician.

**Skin Contact:**

In case of contact with skin, wash the affected area with copious quantities of soap and water. Should irritation occur, contact a physician.

### Section V – Fire Fighting Measures

**Extinguishing Media:**

Water spray, dry chemical powder or appropriate foam. Wear self-contained breathing apparatus and protective clothing. Avoid contact with skin or eyes. Any organic powder can be potentially explosive if dispersed in air in certain concentrations. These concentrations have not been determined.

### Section VI – Accidental Release Measure

Carefully sweep up powder, place in a closed container and hold for waste disposal. Avoid raising dust. Wash area thoroughly after clean-up is complete.

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## Section VII – Handling and Storage

### Handling:

Wear respirator, safety glasses or goggles, protective clothing and chemical-resistant gloves.

### Store at:

2 to 8 C. Protect from light.

## Section VIII – Exposure Controls and Personal Protection

### Eye Protection:

Safety glasses or goggles required.

### Protective Gloves:

Chemical-resistant gloves required.

### Respiratory Protection:

Respirator or protective mask required.

### Ventilation:

Mechanical (general) or local exhaust required to control dust.

### Other Protection Equipment:

Safety shower and eye bath.

## Section IX – Physical and Chemical Properties

### Appearance:

Off-white free-flowing powder

## Section X – Stability and Reactivity

Stable. Hazardous Polymerization will not occur.

## Section XI – Toxicological Information

### Primary Irritant Effect:

This product is a potential irritant to eyes, respiratory system and skin. This product may also be harmful if ingested.

Complete toxicological properties have yet to be determined.

### Intended Use:

For further manufacturing use. THIS PRODUCT IS NOT INTENDED FOR HUMAN OR THERAPEUTIC USE.

## Section XII – Ecological Information

Not Available.

## Section XIII – Disposal Considerations

### Waste Disposal:

Follow all official regulations for chemical waste disposal.

## Section XIV – Transport Information

Not Applicable.

## Section XV – Regulatory Information

Observe the normal safety regulations when handling this material.

## Section XVI – Other Information

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