

## 1 Identification

**Product Name:** Dulbecco's Modified Eagle's/Ham's F-12 Medium 1:1 (DMEF)

**Catalog Number:** DFP04

**Company:** Caisson Laboratories

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

**Telephone:** 435.755.7615

**Fax:** 435.755.7617

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

**Recommended Use:**

**Restrictions On Use:**

## 2 Hazard(s) Identification

**Classification of the Substance or Mixture**

**GHS Classification:**

**GHS Label elements, including precautionary statements**

**Signal Word:**

**Hazard Statements**

**Precautionary Statements**

**Pictograms:**

## 3 Composition / Information on Ingredients

**Synonyms:**

**Formula:**

**Molecular Weight (g/mol):**

**CAS Number:** n/a

**EC Number:**

## 4 First-Aid Measures

**General advice:**

**Route of Exposure**

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

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

**In case of eye contact:** 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.

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

**Most important symptoms and effects, both acute and delayed:**

**Recommendation for immediate medical care and special treatment needed:**

## 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:**

**Special hazards arising from the substance or mixture:**

**Additional Information:**

## 6 Accidental Release Measures

**Personal precautions, protective equipment, and emergency procedures:**

**Environmental precautions:**

**Methods and material for containment and cleanup:**

## 7 Handling and Storage

**Precautions for safe handling:** Follow good laboratory practices.

**Conditions for safe storage:** 2 to 8 °C. Protect from light.

**Recommended storage temperature:**

**Incompatibilities:** Strong oxidizers

## 8 Exposure Controls / Personal Protection

**OSHA Permissible Exposure Limits (PELs):**

**ACGIH Threshold Limit Values (TLVs):**

**Engineering controls:**

**Personal Protective Equipment (PPE)**

**Eye/face protection:** Safety glasses or goggles recommended.

**Skin protection:** Chemical-resistant gloves recommended.

**Respiratory protection:**

**Body protection:**

## 9 Physical and Chemical Properties

**Appearance:** Orange-red to light yellow powder.

**pH:** 4-8

**Solubility:**

**Specific Gravity:**

**Melting Range:** n/a

**Odor:**

**Odor Threshold:**

**Viscosity:**

**Relative Density:**

**Evaporation Rate:**

**Initial Boiling Point and Boiling Range:** n/a

**Flash Point:** n/a

**Flammability (Solid, gas):**

**Flammability Upper/Lower Limits:** n/a

**Partition Coefficient: n-octanol/water:**

**Vapor Density:**

**Vapor Pressure:** n/a

**Auto-ignition Temperature:** n/a

**Decomposition Temperature:**

## 10 Stability and Reactivity

**Reactivity:**

**Chemical stability:**

**Possibilities of hazardous reactions:**

**Conditions to avoid:**

**Incompatible materials:**

**Hazardous decomposition products:** Stable. Hazardous Polymerization will not occur.

## 11 Toxicological Information

**Toxicity:** n/a

**Carcinogenicity**

**NTP:**

**IARC:**

**OSHA:**

**Reproductive toxicity:**

**Symptoms associated with overexposure:**

**Specific target organ toxicity - single exposure:**

**Specific target organ toxicity - repeated exposure:**

**Target Organs:** none

**Medical conditions aggravated by exposure:**

**Routes of entry:**

**NIOSH/RTECS:**

## 12 Ecological Information

**Toxicity:**

**Persistence and degradability:**

**Bioaccumulative potential:**

**Mobility in soil:**

**Results of PBT and vPvB:**

**Other adverse effects:**

## 13 Disposal Considerations

**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.

## 14 Transport Information

### DOT (US)

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

UN/NA number: None Class: None Packaging group: None Hazard Label: None

Reportable Quantity (RQ):

Poison Inhalation Hazard:

### IMDG

Proper Shipping Name:

UN number: Class: Packaging group: Hazard Label:

### IATA

Proper Shipping Name:

UN Number: Class: Packaging group: Hazard Label:

## 15 Regulatory Information

**TSCA:** Not Listed

### SARA Title III

**Section 302 (EHS) Ingredients:**

**Section 313 Ingredients:**

**Section 304 (EHS/CERCLA) Ingredients:**

**Section 311/312 Hazard:**

## 16 Other Information

### HMIS Rating

**Health hazard:**

**Chronic health hazard:**

**Flammability:** 1



## Safety Data Sheet

**Physical hazard:**

**NFPA Rating**

**Health hazard:** 1

**Fire hazard:** 1

**Reactivity:** 1

**Special Hazard:** n/a

**Further information:**

Revision Date: 17 Dec, 2014