

## 1 Identification

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

**Catalog Number:** DFP05

**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:** For research and laboratory use only.

**Restrictions On Use:** This product is intended for research and laboratory use only. Products are not to be used as human or animal therapeutics, cosmetics, agricultural or pesticidal products, food additives, or as household chemicals.

## 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: 23 Jul, 2018