

**Safety Data Sheet**

Revision Date: 10-July-2017

24 Hour Emergency #: 1-800-255-3924

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

PRODUCT NAME: Dulbecco's Modified Eagle's Medium, High Glucose without phenol red and L-glutamine (DMEM High Glucose without phenol red and L-glutamine)  
CATALOG NUMBER: 112-132-101  
CHEMICAL NAME: An aqueous solution of inorganic salts, amino acids, vitamins and other components. Please refer to the catalog and/or technical information sheets (TIS) for the formulation.

**Company/Undertaking Identification**

Quality Biological Inc.  
7581 Lindbergh Drive  
Gaithersburg, MD 20879  
301-840-9331

**2. HAZARDS IDENTIFICATION****Hazardous/Non-hazardous Components**

The product contains no substances which at their given concentration, are considered to be hazardous to health

**Emergency Overview**

The product contains no substances which at their given concentration, are considered to be hazardous to health

**Form:** Liquid

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Principle Routes of Exposure/ Potential Health effects**

<b>Eyes</b>	No information available
<b>Skin</b>	No information available
<b>Inhalation</b>	No information available
<b>Ingestion</b>	No information available

**Specific effects**

<b>Carcinogenic effects</b>	No information available
<b>Mutagenic effects</b>	No information available
<b>Reproductive toxicity</b>	No information available



**Sensitization**

No information available

**Target Organ Effects**

No information available

## **HMIS**

Health	0
Flammability	0
Reactivity	0

## 4. FIRST AID MEASURES

**Skin contact**

Immediately wash skin with copious amounts of water followed by washing with soap and copious amounts of water. Remove all contaminated clothing.

**Eye contact**

Flush eyes with copious amounts of water for at least 15 minutes with eyelids separated and call a physician.

**Ingestion**

Never give anything by mouth to an unconscious person

**Inhalation**

If person is unconscious seek emergency medical attention, if person is conscious remove to fresh air and call a physician

**Notes to physician**

Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**General:** Wear Self-Contained breathing apparatus in pressure demand, MSHA/NIOSH approved. During a fire, irritating and toxic gases may be generated by thermal decomposition.

**Extinguishing Media:** Substance is non-combustible, use most readily available; Water Spray, Carbon Dioxide, dry chemical powder or appropriate foam.

**Autoignition Temperature:** N/A

**Explosion limits:** N/A

**Flash Point:** Not Available

## 6. ACCIDENTAL RELEASE MEASURES

**Use Personal Protective Equipment:** Including Chemical Splash Goggles, Chemical Resistant Gloves, and appropriate clothing to prevent skin exposure. In addition, a Respiratory protection program that complies with OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

**Spills and Leaks:** Absorb spill with inert material (e.g. Vermiculite, sand, earth) then place in a suitable container. Clean up spills immediately, observing precautions in the Sections 6 and 8. Provide ventilation.

## 7. HANDLING AND STORAGE

**Handling**  
**Storage**

No special handling advice required

Store in a tightly closed container at 2°-8°C. Keep container tightly closed.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Occupational exposure controls

#### Exposure limits

Engineering measures      Ensure adequate ventilation, especially in confined areas

#### Personal protective equipment

Respiratory protection      In case of insufficient ventilation wear suitable respiratory equipment  
Hand protection      Protective gloves  
Eye protection      Safety glasses with side-shields  
Skin and body protection      Lightweight protective clothing.  
Hygiene measures      Handle in accordance with good industrial hygiene and safety practice  
Environmental exposure Controls      Prevent product from entering drains.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General Information

Form      Liquid

### Important Health Safety and Environmental Information

Boiling point/range	°C No data available	°F No data available
Melting point/range	°C No data available	°F No data available
Flash point	°C No data available	°F No data available
Autoignition temperature	°C No data available	°F No data available
Oxidizing properties	No information available	
Water solubility	No data available	

## 10. STABILITY AND REACTIVITY

Stability      Stable.  
Materials to avoid      No information available  
Hazardous decomposition products      No information available  
Polymerization      Hazardous polymerisation does not occur.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

#### Principle Routes of Exposure/ Potential Health effects

Eyes      No information available



<b>Skin</b>	No information available
<b>Inhalation</b>	No information available
<b>Ingestion</b>	No information available

## **Specific effects**

<b>Carcinogenic effects</b>	No information available
<b>Mutagenic effects</b>	No information available
<b>Reproductive toxicity</b>	No information available
<b>Sensitization</b>	No information available

## **Target Organ Effects**

No information available

## 12. ECOLOGICAL INFORMATION

No Information found.

## 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations

## 14. TRANSPORT INFORMATION

### **IATA**

<b>Proper shipping name</b>	Not classified as dangerous in the meaning of transport regulations
<b>Hazard Class</b>	No information available
<b>Subsidiary Class</b>	No information available
<b>Packing group</b>	No information available
<b>UN-No</b>	No information available

## 15. REGULATORY INFORMATION

### **International Inventories**

#### **U.S. Federal Regulations**

##### **SARA 313**

This product is not regulated by SARA.

##### **Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contains HAPs.

#### **U.S. State Regulations**

**California Proposition 65**

This product does not contain chemicals listed under Proposition 65

**WHMIS hazard class:**

Non-controlled

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR

## 16. OTHER INFORMATION

This material is sold for research and development purposes only. It is not for any human or animal therapeutic or clinical diagnostic use. It is not intended for food, drug, household, agricultural, or cosmetic use. An individual technically qualified to handle potentially hazardous chemicals must supervise the use of this material.

**THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT; HOWEVER, IT MAY NOT BE ALL INCLUSIVE. THIS INFORMATION SHOULD BE USED ONLY AS A GUIDE. QUALITY BIOLOGICAL, INC. SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM THE HANDLING OR CONTACT WITH THE ABOVE PRODUCT.**

**End of Safety Data Sheet**