

SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

Product Name: Dulbecco's Modified Eagle Medium (DMEM) – High Glucose, liquid
Catalog Number: M120xx, M124xx, M129xx, M182xx, M183xx, M184xx, M185xx, M186xx, M187xx, M188xx, M189xx, M190xx, M191xx, M192xx, M193xx, M194xx, M195xx, M196xx, M197xx, M198xx, M199xx, M222xx, M224xx, M225xx, M226xx, M227xx, M228xx, M229xx, M323xx, M324xx, M325xx, M326xx
Recommended Use: For *in vitro* research use only
Company: Atlanta Biologicals, Inc.
4172 Industry Way
Flowery Branch, GA 30542
Telephone Number: 1-800-780-7788
Emergency Telephone Number: 1-800-780-7788

2. HAZARDS IDENTIFICATION

GHS Classification

Not a hazardous substance or mixture.

GHS Label Elements (Including precautionary statements)

Not a hazardous substance or mixture.

Hazards not Otherwise Classified (HNOC) or not covered by GHS

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

No ingredients are hazardous according to OSHA criteria.
No components need to be disclosed according to the applicable regulations.

4. FIRST AID MEASURES

If inhaled: If breathed in, move person into fresh air. If not breathing give artificial respiration.

In case of skin contact: Wash off with soap and plenty of water.

In case of eye contact: Flush eyes with water as a precaution.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water.

Most Important Symptoms and Effects, both Acute and Delayed

The most important known symptoms and effects are described in the labeling section (section 2) and/or in section 11.

Indication of any Immediate Medical Attention and Special Treatment Needed

No data available

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides, sulfur oxides, hydrogen chloride gas, borane/boron oxides, iron oxides, calcium oxide.

Special Protective Equipment for Firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Use personal protective equipment described in section 8. Avoid breathing vapors, mist or gas.

Containment and Clean-Up Methods

Keep in suitable, closed containers for disposal.

Environmental Precautions

Do not let product enter drains.

7. HANDLING AND STORAGE

Precautions for Safe Handling

For precautions see section 2.

Conditions for Safe Storage

Keep container tightly closed in a dry and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substance(s) with occupational exposure limit values.

Appropriate Engineering Controls

General industrial hygiene practice.

Personal Protective Equipment

Eye/Face protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body protection: Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: Respiratory protection not required. For nuisance exposures use type OV/AG (US) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US).

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Properties

Appearance: Liquid
Odor: No data available
Odor threshold: No data available

Chemical Properties

pH: No data available
Melting point/Freezing point: No data available

Initial boiling point and boiling range:	No data available
Flash point:	No data available
Evaporation rate:	No data available
Flammability (solid, gas):	No data available
Upper/lower flammability or explosion limits:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Relative density:	No data available
Solubility:	No data available
Partition coefficient (n-octanol/water):	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

No data available

Conditions to Avoid

No data available

Incompatible Materials

Strong oxidizing agents

Hazardous Decomposition Products

In the event of fire, see Section 5.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

No data available

Inhalation: No data available

Dermal LD50: No data available

Skin Corrosion/Irritation

No data available

Serious Eye Damage/Eye Irritation

No data available

Respiratory or Skin Sensitization

No data available

Germ Cell Mutagenicity

No data available

Chronic Toxicity

IARC: No component of this product is present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product is present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product is present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product is present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive Toxicity

No data available

Specific Target Organ Toxicity - Single Exposure

No data available

Specific Target Organ Toxicity - Repeated Exposure

No data available

Aspiration Hazard

No data available

Additional Information

RTECS: Not available

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

Stomach irregularities – Based on human evidence (Magnesium (II) sulfate heptahydrate)

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Observe all federal, state and local environmental regulations

14. TRANSPORT INFORMATION

Not dangerous goods

15. REGULATORY INFORMATION

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

The material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA hazards

Reportable Quantity (RQ): Lowest RQ > 999,999lbs

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right To Know Act.

Pennsylvania Right To Know Components

Component	CAS No.	Revision Date
Ferric nitrate nonahydrate	7782-61-8	8/11/1989
Water	7732-18-5	



New Jersey Right To Know Components

Component	CAS No.	Revision Date
Water	7732-18-5	

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects or any other reproductive harm.

16. OTHER INFORMATION

HMIS Classification

Health Hazard: 0
Flammability: 0
Physical Hazards: 0

NFPA Classification

Health Hazard: 0
Flammability: 0
Physical Hazards: 0

Preparation Date: August 2014

Version Number: 0.0

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Atlanta Biologicals shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.