

## SAFETY DATA SHEET

### 1. PRODUCT IDENTIFICATION

**Product Name:** Cell Freezing Medium  
**Catalog Number:** B711xx, B712xx  
**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

Chemical Name	CAS No.	Hazard Classification	Concentration
<b>Dimethyl Sulfoxide</b>	67-68-5	Flammable Liquid 4; H227	9.0-11%

### 4. FIRST AID MEASURES

**General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

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

**In case of skin contact:** Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact:** Rinse thoroughly with plenty of water for at least 15 minutes. Consult a physician.

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

**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, sulfur oxides

**Special Protective Equipment for Firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

<b>6. ACCIDENTAL RELEASE MEASURES</b>
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**Personal Precautions**

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

**Containment and Clean-Up Methods**

Absorb spill with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

**Environmental Precautions**

Do not let product enter drains.

<b>7. HANDLING AND STORAGE</b>
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**Precautions for Safe Handling**

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. For precautions see section 2.

**Conditions for Safe Storage**

Keep container tightly closed in a dry and well-ventilated place. Opened containers must be carefully resealed and kept upright to prevent leakage.

<b>8. EXPOSURE CONTROLS/PERSONAL PROTECTION</b>
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Component	CAS No.	Value	Control Parameters	Basis
<b>Dimethyl Sulfoxide</b>	67-68-5	TWA	250 ppm	USA. Workplace Environmental Exposure Levels (WEEL)

**Appropriate Engineering Controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday

**Personal Protective Equipment**

**Eye/Face protection:** Face shield and safety glasses. 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:** Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US).

<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>
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**Physical Properties**

<b>Appearance:</b>	Liquid
<b>Odor:</b>	No data available
<b>Odor threshold:</b>	No data available

#### Chemical Properties

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

Exposure to moisture may affect product quality.

#### 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.

Eyes – Eye disease – Based on human evidence (Dimethyl sulfoxide)

<b>12. ECOLOGICAL INFORMATION</b>
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No data available

<b>13. DISPOSAL CONSIDERATIONS</b>
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Observe all federal, state and local environmental regulations

<b>14. TRANSPORT INFORMATION</b>
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Not dangerous goods

<b>15. REGULATORY INFORMATION</b>
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**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**

Chronic Health Hazard

**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
Dimethyl sulfoxide	67-68-5	3/1/2007



**New Jersey Right To Know Components**

Component	CAS No.	Revision Date
Dimethyl sulfoxide	67-68-5	3/1/2007

**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

\*Additional chronic hazards present

**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.