SAFETY DATA SHEET

Section 1: Identification of the substance/mixture and of the company/undertaking

Identification of the substance/ preparation:

Product name: Cell Media

Product Codes:

Prenatal Media P.S. # 102658
Transport Media P.S. # 101780
Aspiration Media P.S. # 103205
Condimed Media P.S. # 105703
Bone Marrow P.S. # 98930

Company/Undertaking Identification

Integrated Genetics - 2000 Vivigen Way, Santa Fe, NM. 87505 1-800-848-4436

24 hour Emergency Response: 3E Company: (844) 225-0663

Cell Media to be used to grow, transport, and aspirate prenatal and post natal tissue.

Section 2: Hazard(s) Identification

Classification

<table>
<thead>
<tr>
<th>Classification</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Respiratory sensitization</td>
<td>Category 1</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>Category 1</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Category 2</td>
</tr>
</tbody>
</table>
Signal Word: Danger

Hazard statements

H317 - May cause an allergic skin reaction
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
H361 - Suspected of damaging fertility or the unborn child

Appearance Clear
Physical state liquid
Odor No information available

Penicillin-Streptomycin-L-Glutamine, 100x - 1% of Total MEM Media Mixture

Precautionary statements
P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P280 - Wear protective gloves
P285 - In case of inadequate ventilation wear respiratory protection
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P304 + P341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
P306 + P313 - IF exposed or concerned: Get medical advice/attention
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention
P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician
P363 - Wash contaminated clothing before reuse
P501 - Dispose of contents/ container to an approved waste disposal plant

Hazards not otherwise classified (HNOC) - None known.

Section 3: Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>Weight %</th>
<th>Trade Secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>Streptomycin Sulfate</td>
<td>3810-74-0</td>
<td>0.1-1</td>
<td>NA</td>
</tr>
<tr>
<td>Penicillin G potassium salt</td>
<td>113-98-4</td>
<td>0.1-1</td>
<td>NA</td>
</tr>
<tr>
<td>Tissue Culture Media</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>Media Supplement</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>Fetal Bovine Serum</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>Heparin, sodium salt (Aspiration Media only)</td>
<td>9041-08-1</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>
**Section 4: First Aid Measures**

First aid measures:

**Inhalation** Remove to fresh air. If not breathing, give artificial respiration. Call a physician.

**Skin Contact** Wash off immediately with soap and plenty of water. Remove contaminated clothing and shoes. Call a physician.

**Eye contact** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

**Ingestion** If swallowed, rinse mouth with water (only if the person is conscious). Never give anything by mouth to an unconscious person. Call a physician.

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

**Symptoms** May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

**Section 5: Fire Fighting Measures**

**Suitable extinguishing media**
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** No information available.

**Hazardous combustion products**
Carbon oxides, Nitrogen oxides (NOx), Oxides of sulfur.

**Explosion data**

**Sensitivity to Mechanical Impact** None.
**Sensitivity to Static Discharge** None.

**Protective equipment and precautions for firefighters**
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Section 6: Accidental Release Measures**

**Personal precautions, protective equipment and emergency procedures**
Use personal protective equipment as required. Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Avoid breathing dust/fume/gas/mist/vapors/spray.

**Environmental precautions**
Collect spillage. Prevent product from entering drains.
Methods and material for containment and cleaning up

Methods for containment  Prevent further leakage or spillage if safe to do so.

Methods for cleaning up  Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Prevent product from entering drains.

Section 7: Handling and Storage

Precautions for safe handling
Advice on safe handling  Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray. Ensure adequate ventilation, especially in confined areas.

Conditions for safe storage, including any incompatibilities
Storage Conditions  Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible materials  None known based on information supplied.

Section 8: Exposure Controls/Personal Protection

Control parameters

Exposure Guidelines  This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering Controls  Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face protection  Wear safety glasses with side shields (or goggles).

Hand Protection  Wear protective nitrile rubber gloves.

Skin and body protection  Suitable protective clothing.

Respiratory protection  If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations  Handle in accordance with good industrial hygiene and safety practice. Wash hands thoroughly after handling.
Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>liquid</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>clear</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>colorless</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>pH</td>
<td>6.0 +/- 0.5</td>
<td>20-25 °C</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability Limit in Air</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit:</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Lower flammability limit:</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Water solubility</td>
<td>Soluble in water</td>
<td></td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Auto ignition temperature</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Kinematic viscosity</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Dynamic viscosity</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No information available</td>
<td>No information available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No information available</td>
<td>No information available</td>
</tr>
</tbody>
</table>

Section 10: Stability and Reactivity

Reactivity

Chemical stability
Stable under normal conditions.

Possibility of Hazardous Reactions
None under normal processing.

Conditions to avoid
None known.

Incompatible materials
Strong oxidizing agents.

Hazardous Decomposition Products
None under normal use conditions

Thermal decomposition can lead to release of irritating and toxic gases and vapors Carbon oxides, Nitrogen oxides (NOx), Oxides of sulfur.
Section 11: Toxicological Information

Acute toxicity

Product Information
No acute toxicity information is available for this product

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LD50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Streptomycin Sulfate</td>
<td>430mg/kg (rat)</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>Penicillin G potassium salt</td>
<td>6700mg/kg (rat)</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>Heparin, sodium salt (Aspiration media only)</td>
<td>779000 unit/kg (Rat)</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>

Information on toxicological effects

Symptoms
May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization
May cause sensitization by inhalation and skin contact.

Germ cell mutagenicity
No information available.

Carcinogenicity
No information available

Reproductive toxicity
May cause harm to breastfed babies.

Developmental Toxicity
Possible risk of harm to the unborn child.

STOT - single exposure
No information available.

STOT - repeated exposure
No information available.

Aspiration hazard
No information available.

Target Organs
Ears, kidneys.

Potential health effects Inhalation
May be harmful if inhaled. May cause irritation of respiratory tract. May cause allergic respiratory reaction.

Ingestion
May be harmful if swallowed.

Skin
May be harmful in contact with skin. May cause irritation.

Eyes
May cause eye irritation.

Section 12: Ecological Information (non-mandatory)

Ecotoxicity effects
No information available.

Mobility
No information available.

Biodegradation
No information available.

Bioaccumulation
No information available.
Section 13: Disposal Considerations (non-mandatory)

Dispose of in accordance with local regulations.

Section 14: Transport Information (non-mandatory)

IATA
Proper shipping name: Not classified as dangerous in the meaning of transport regulations
Hazard class: None
Subsidiary Class: None
Packing group: None
UN-No: None

Section 15: Regulatory Information (non-mandatory)

<table>
<thead>
<tr>
<th>Component</th>
<th>TSCA</th>
</tr>
</thead>
<tbody>
<tr>
<td>STREPTOMYCIN SULFATE</td>
<td>Listed</td>
</tr>
<tr>
<td>3810-74-0 (0.5-1.5)</td>
<td></td>
</tr>
</tbody>
</table>

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 contains the following Proposition 65 chemicals:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
<th>Category</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>STREPTOMYCIN SULFATE</td>
<td>3810-74-0</td>
<td>0.5-1.5</td>
<td>Developmental</td>
<td></td>
</tr>
</tbody>
</table>

WHMIS hazard class:

D2B Toxic materials

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.
Section 16: Other Information

Version 1 SDS created on May 8, 2015

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

The statements herein are intended to be followed by persons having related technical skills.