

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

**Product code** Various  
**Product name** Miscellaneous cell culture lines

**Contact Manufacturer**

**GeneCopoeia, Inc.**  
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**2. COMPOSITION/INFORMATION ON INGREDIENTS**

**Miscellaneous cell culture lines**

Frozen cells contain 5%-10% (v/v) of Dimethyl sulfoxide.

The product(s) do not contain any hazardous materials (OSHA 29CFR 1910.1200).

**3. HAZARDS IDENTIFICATION**

**GHS – N/A**

**Signal Word**

N/A

**Health Hazards**

Biosafety Level 1: Use Biosafety Level 1 containment procedures. This product is not known to cause disease in healthy adult humans. This product has not been screened for Hepatitis B, human immunodeficiency viruses or other adventitious agents. Universal Precautions according to 29 CFR 1910.1030 should be followed at all times when handling this product.

**Principle Routes of Exposure**

**Potential Health Effects**

<b>Eyes</b>	Data not available.
<b>Skin</b>	Data not available.
<b>Inhalation</b>	Data not available.
<b>Ingestion</b>	Data not available.

#### 4. FIRST AID MEASURES

<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
<b>Eye contact</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.
<b>Ingestion</b>	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	Remove to fresh air. Call a physician or poison control center immediately.
<b>Notes to physician</b>	Treat symptomatically

#### 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide
<b>Special protective equipment for firefighters</b>	Wear self-contained breathing apparatus and protective suit.
<b>Special hazards arising from the substance or mixture</b>	Carbon oxides

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Use personal protection equipment. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
<b>Methods for cleaning up</b>	Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not allow material to contaminate ground water system. See Section 12 for more information

#### 7. HANDLING AND STORAGE

<b>Handling</b>	Always wear recommended Personal Protective Equipment. Avoid contact with skin, eyes or clothing. Remove all sources of ignition
<b>Storage</b>	Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Protect from sunlight.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b><u>Exposure limits</u></b>	No exposure limits for this material have been established by ACGIH, NIOSH, or OSHA. There are no Vacated OSHA PEL for this material.
<b>Engineering measures</b>	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday
<b>Personal protective equipment</b>	Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.
<b>Respiratory protection</b>	In case of insufficient ventilation wear suitable respiratory equipment
<b>Respirator Recommendations, National Institute of Occupational Safety and Health, U.S.</b>	<p>Up to 50 ppm</p> <p>(APF = 10) Any air-purifying half-mask respirator with organic vapor cartridge(s) in combination with an N95, R95, or P95 filter. The following filters may also be used: N99, R99, P99, N100, R100, P100.</p> <p>(APF = 10) Any supplied-air respirator</p> <p>Up to 125 ppm:</p> <p>(APF = 25) Any supplied-air respirator operated in a continuous-flow mode</p> <p>(APF = 25) Any powered air-purifying respirator with an organic vapor cartridge in combination with a high-efficiency particulate filter.</p> <p>Up to 250 ppm:</p> <p>(APF = 50) Any air-purifying full-facepiece respirator equipped with organic vapor cartridge(s) in combination with an N100, R100, or P100 filter.</p> <p>(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister having an N100, R100, or P100 filter.</p> <p>(APF = 50) Any powered, air-purifying respirator with a tight-fitting facepiece and organic vapor cartridge(s) in combination with a high-efficiency particulate filter</p> <p>(APF = 50) Any self-contained breathing apparatus with a full facepiece</p> <p>(APF = 50) Any supplied-air respirator with a full facepiece</p> <p>Emergency or planned entry into unknown concentrations or IDLH conditions:</p> <p>(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode</p> <p>(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus</p>

	Escape: (APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister having an N100, R100, or P100 filter. /Any appropriate escape-type, self-contained breathing apparatus.filter.
<b>Hand protection</b>	Impervious gloves. S24 - Avoid contact with skin. S36 – Wear suitable protective clothing.
<b>Eye protection</b>	Tight sealing safety goggles.
<b>Skin and body protection</b>	Impervious clothing.
<b>Hygiene measures</b>	Contaminated work clothing should not be allowed out of the workplace. Avoid contact with skin, eyes or clothing. Handle in accordance with good industrial hygiene and safety practice.
<b>Environmental exposure Controls</b>	Prevent product from entering drains

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General Information

<b>Form</b>	Liquid, frozen	
<b>Appearance</b>		
<b>Odor</b>	No information available	
<b>Boiling point/range</b>	No data available	No data available
<b>Melting point/range</b>	No data available	No data available
<b>Flash point</b>	No data available	No data available
<b>Autoignition temperature</b>	No data available	No data available
<b>Oxidizing properties</b>	No information available	
<b>Water solubility</b>	Soluble	

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal conditions
<b>Materials to avoid</b>	No information available
<b>Hazardous decomposition Products</b>	No data available
<b>Polymerization</b>	None

## 11. TOXICOLOGICAL INFORMATION

**Acute Toxicity** No information available

### **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
<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.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

No information available.

## 13. DISPOSAL CONSIDERATIONS

Hazardous waste generators are required to determine if a discarded chemical is classified as a hazardous waste according to 40 CFR Part 261.3. In addition waste generators must consult about and comply with all state and local regulations to ensure compliance.

## 14. TRANSPORT INFORMATION

Not considered dangerous goods by either land (ADR/RID), inland waterway (ADN), sea (IMDG), or air ((ICAQ-TP / IATA-DGR). Not a DOT controlled material (USA).

## 15. REGULATORY INFORMATION

### UNITED STATES:

#### TSCA:

This product is solely for research and development purposes only and may not be used, processed or distributed for a commercial purpose. It may only be handled by technically qualified individuals.

Prop 65 Listed Chemicals: No Prop 65 Chemicals.

No 313 Chemicals

### CANADA:

DSL/NDSL: Not determined.

### COMPONENT ETHANOL

WHMIS Classification D2B

### EUROPEAN UNION:

PRODUCT RISK PHRASES: None assigned.

PRODUCT SAFETY PHRASES: Not applicable.

PRODUCT CLASSIFICATION: Not classified

## 16. OTHER INFORMATION

### Abbreviations

N/A - Data is not applicable or not available

SARA - Superfund and Reauthorization Act

HMIS - Hazard Material Information System

WHMIS - Workplace Hazard Materials Information System

NTP - National Toxicology Program

OSHA - Occupational Health and Safety Administration

IARC - International Agency for Research on Cancer

PROP 65 - California Safe Drinking Water and Toxic Enforcement Act of 1986

EINECS - European Inventory of Existing Commercial Chemical Substances

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**End of Safety Data Sheet**