

**Section I - Product and Company Information**

Product Name	Frozen Cell Lines
Product Classification	Cell Line Products
Company and Contact Information	<b>Runtogen</b> Tel: 1-303-522-8502 Email: info@runtogen.com Address: 400 McCaslin Blvd, Louisville, CO 80027, USA Website: www.runtogen.com

**Section II - Hazardous Ingredients:**

Frozen cell lines may contain 5 to 10 % Dimethyl sulfoxide (DMSO)

**Section III - Description of product**

Appearance: Frozen fluid in small glass or plastic containers (vials). Solid/Liquid/gas: Solid (frozen state).

The product is provided as a frozen culture of either human or animal cells. The frozen components may include but are not limited to Water, inorganic salts, vitamins, amino acids, carbohydrates, lipids, proteins (animal-derived) and cryoprotectant.

**Section IV - Health hazards**

Biosafety Level 1 Cell Lines	These cell lines, as defined in the U.S. Government Publication Biosafety in Microbiological Laboratories (CDC, 1999), are not known to harbor any agent known to cause disease in healthy adult humans. This material has NOT been screened for hepatitis B, immunodeficiency viruses, or other adventitious agents unless otherwise indicated in the COA. Handle these cell culture systems as a potential biohazard subject to containment in, at minimum, a Biosafety Level 1 facility
Biosafety Level 2 Cell Lines	The cell lines defined in this category are known to contain an agent that requires handling at Biosafety Level 2 (see United States Government Publication <i>Biosafety in Microbiological and Biomedical Laboratories</i> , 1999, issued by the Center for Disease Control). These agents have been associated with human disease. These cell cultures have NOT been screened for hepatitis B, human immunodeficiency viruses, or other adventitious agents unless otherwise indicated in the COA

**Section V - Formulation and Ingredients Information**

Product Name	DMSO
CAS-No.	None
EC-No.	None

**Section VI - First Aid Measures**

In Case of Contact with Eyes	Flush thoroughly with water and contact a physician.
In Case of Accidental Swallowing	Rinse the mouth with fresh water, provided the person is conscious. Contact a physician.
In Case of Inhalation	Remove to fresh air. Give oxygen if breathing becomes difficult. Contact a physician.
In Case of Contact with Skin	Wash the affected area with soap and copious amounts of water. Should irritation occur, contact a physician.

**Section VII - Fire-Fighting Measures**

Suitable Extinguishing Media	Water spray, carbon dioxide, dry chemical powder, or appropriate foam.
Special Protective Equipment for Fire-Fighting	If necessary use self-contained breathing apparatus.

**Section VIII - Accidental Release Measures**

Methods for Cleaning Spills	Wear chemical-resistant gloves and safety-goggles. Wipe up spilled product using tissue-towels. Place waste in closed containers for disposal.
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**Section IX - Handling and Storage**

Handling	Avoid contact with eyes, skin, mucous membranes, and clothing.
Storage	Keep tightly closed. Protect from light. Store at -196°C.

**Section X - Personal Protection and Exposure Control Information**

Eye Protection	Safety glasses or goggles
Protective Gloves	Chemical-resistant gloves
Respiratory Protection	Not required
Ventilation	Not required
Other Protection Equipment	Safety shower and eye bath

**Section XI - Physical and Chemical Properties**

Physical State	Liquid
Appearance	Clear solution
pH	7.2 - 7.4
Flash Point	N/A
Flammability	N/A
Oxidizing Properties	N/A
Explosive Properties	N/A
Vapor Pressure	N/A

**Section XII - Chemical Stability and Reactivity**

Product is stable. Hazardous polymerization will not occur.

## Section XIII - Toxicological Data

To the best of our knowledge, the chemical, physical, toxicological properties have not been thoroughly investigated. May cause skin irritation. May be harmful if absorbed through the skin. May cause eye irritation. May be harmful if inhaled swallowed. Material may be irritating to mucous membranes upper respiratory tract.

## Section XIV - Ecological Information

No data available.

## Section XV - Disposal

Follow all federal, state, and local environmental regulations for disposal.

## Section XVI - Transport Information

This product is not subject to any transport regulations.

## Section XVII - Classification and Regulatory Information

In accordance to current EC-Regulations this product is exempt from specific labelling requirements

## Section XVIII - Other Information / Disclaimer

*Runtogen* recommends that appropriate safety procedures be used when handling all cell culture systems. Detailed discussions of laboratory safety procedures are available in the journal *Cell* <http://www.cell.com/>; American Society for Cell Biology <http://www.ascb.org>; United States Government Publication, Biosafety in Microbiological and Biomedical Laboratories (CDC, 1999) <http://www.cdc.gov>.

The above information is correct to the best of our knowledge. All materials and mixture formulations may present unknown hazards and should be used with caution. The user should make independent decisions regarding the completeness of information based on all sources available. *Runtogen* shall not be held liable for any damage resulting from handling or contact with the above product.