

**Safety Data Sheet****FRESR<sup>TM</sup>-S****EFFECTIVE DATE: 2014-10-02****1 Product and Company Identification**

- 1.1 Product Name:** FreSR<sup>TM</sup>-S
- 1.2 Catalog Number:** 05859
- 1.3 Synonyms:** Not Available
- 1.4 Product Use:** Cell Culture
- 1.5 Manufacturer/Supplier:** STEMCELL Technologies  
Suite 500-1618 Station Street  
Vancouver, British Columbia V6A 1B6 Canada
- 1.6 In Case of Emergency Call:** 1-800-667-0322

**2 Hazards Identification**

- 2.1 Classification of the substance or mixture**  
Not a hazardous substance or mixture.
- 2.2 Label elements**  
Not a hazardous substance or mixture.
- 2.3 Other hazards** None

**3 Composition / Information on Ingredients**

Hazardous Components (Chemical Name)	CAS #	Concentration	EC #
Dimethyl sulfoxide	67-68-5	10%	200-664-3

**4 First Aid Measures**

- 4.1 Description of first aid measures**
- 4.1.1 If inhaled**  
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
- 4.1.2 In case of skin contact**  
Wash off with soap and plenty of water. Consult a physician.
- 4.1.3 In case of eye contact**  
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
- 4.1.4 If swallowed**  
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
- 4.2 Most important symptoms and effects, both acute and delayed**  
The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

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**FRESR™-S****EFFECTIVE DATE: 2014-10-02****4.3 Indication of any immediate medical attention and special treatment needed**

No data available

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**5 Fire Fighting Measures****5.1 Extinguishing Media****Suitable Extinguishing Media**

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

**5.2 Special hazards arising from the substance or mixture**

Hazardous decomposition products formed under fire conditions - Carbon oxides, Sulphur oxides

**5.3 Fire Fighting Instructions**

Wear self-contained breathing apparatus for firefighting if necessary.

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**6 Accidental Release Measures****6.1 Personal precautions, protective equipment and emergency procedures**

Avoid breathing vapors, mist or gas.

For personal protection see section 8.

**6.2 Environmental precautions**

Do not let product enter drains.

**6.3 Methods and materials for containment and cleaning up**

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

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**7 Handling and Storage****7.1 Precautions for safe handling**

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

**7.2 Conditions for safe storage**

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

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**8 Exposure Controls/Personal Protection****8.1 Exposure limits**

Contains no substances with occupational exposure limit values.

**8.2 Engineering controls**

Use mechanical exhaust or laboratory fumehood to avoid exposure.

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### 8.3 Personal protective equipment

#### 8.3.1 Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### 8.3.2 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.

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

#### 8.3.3 Respiratory protection

Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### 8.3.4 General hygiene considerations

General industrial hygiene practice.

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## 9 Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

Appearance	Light orange-yellow liquid
Odour	No data available
Odour threshold	No data available
Melting point/freezing point	No data available
Boiling point/boiling range	No data available
Decomposition temperature	No data available
Relative density	No data available
Solubility in water	No data available
Solubility in other liquids	No data available
pH	No data available
Partition coefficient: n-octanol/water	No data available
Viscosity	No data available
Vapour pressure	No data available
Vapour density	No data available
Evaporation rate	No data available
Flash point	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Auto-ignition temperature	No data available

### 9.2 Other information

No data available

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<b>10.1 Reactivity</b>	No data available
<b>10.2 Chemical stability</b>	Stable under recommended storage conditions.
<b>10.3 Possibility of hazardous reactions</b>	No data available
<b>10.4 Conditions to avoid</b>	Exposure to moisture may affect product quality.
<b>10.5 Incompatible materials</b>	Strong oxidizing agents
<b>10.6 Hazardous decomposition products</b>	Hazardous decomposition products formed under fire conditions - Carbon oxides, Sulphur oxides

**11 Toxicological Information**

<b>11.1 Acute toxicity</b>	No data available
<b>11.2 Skin corrosion/irritation</b>	No data available
<b>11.3 Serious eye damage/eye irritation</b>	No data available
<b>11.4 Aspiration hazard</b>	No data available
<b>11.5 Specific target organ toxicity - single exposure</b>	No data available
<b>11.6 Specific target organ toxicity - repeated exposure</b>	No data available
<b>11.7 Respiratory and/or skin sensitization</b>	No data available
<b>11.8 Carcinogenicity</b>	No data available
<b>11.9 Reproductive toxicity</b>	No data available
<b>11.10 Germ cell mutagenicity</b>	No data available
<b>11.11 Signs and symptoms of exposure</b>	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
<b>11.12 RTECS #</b>	No data available

**12 Ecological Information**

<b>12.1 Toxicity</b>	No data available
<b>12.2 Persistence and degradability</b>	No data available
<b>12.3 Bioaccumulative potential</b>	No data available

**Safety Data Sheet****FRESR<sup>™</sup>-S****EFFECTIVE DATE: 2014-10-02****12.4 Mobility in soil** No data available**12.5 Other adverse effects** No data available**13 Disposal Considerations****13.1 Waste disposal method** Dispose in accordance with local, provincial/state, and federal regulations.**14 Transport Information****14.1 UN number** No data available**14.2 UN proper shipping name**  
DOT Not dangerous goods  
ADR/RID Not dangerous goods  
IMDG Not dangerous goods  
IATA Not dangerous goods**14.3 Transport hazard class(es)** No data available**14.4 Packing group** No data available**14.5 Environmental hazards** No data available**14.6 Special precautions** No data available**15 Regulatory Information****15.1 WHMIS Classification**

Not WHMIS controlled

**15.2 Regulatory information statement**

This SDS was prepared according to the Canadian Controlled Products Regulation and contains all the information required by those regulations.

This SDS was prepared in accordance with Regulation (EC) No.1272/2008 and European Directive 67/548/EEC as amended.

**16 Other Information****16.1 Prepared by:** Quality Control, STEMCELL Technologies Inc.**16.2 Revision:** N/A**16.3 Notice:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. STEMCELL Technologies Inc. shall not be held liable for any damage resulting from handling or from contact with the product. The information contained in this Safety Data Sheet (SDS) is current as of the Effective Date shown in this document and may be subject to amendment by STEMCELL Technologies Inc.**16.4 Disclaimer:** **THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT INTENDED FOR HUMAN OR ANIMAL DIAGNOSTIC OR THERAPEUTIC USES.**