## SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product Name:</th>
<th>S2 Drosophila Cells, Suspension in ESF 921</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacturer:</td>
<td>Expression Systems, LLC 2537 Second Street</td>
</tr>
<tr>
<td>Product Use:</td>
<td>For laboratory use. Not for human or animal therapeutic or clinical diagnostic use.</td>
</tr>
<tr>
<td>Product Number:</td>
<td>94-005S</td>
</tr>
</tbody>
</table>

## SECTION 2 – HAZARDS IDENTIFICATION

**GHS Classification:**

- **Physical State:** Slightly viscous translucent liquid
- **Classification:** WARNING- Irritant. Hazardous if absorbed.
- **HMIS Rating:**
  - Health: 1
  - Flammability: 0
  - Reactivity: 0
- **Potential Health Effects:**
  - Eyes: Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
  - Skin: Can cause moderate skin irritation, defatting and dermatitis. Not likely to cause permanent damage.
  - Inhalation: Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache. No toxicity expected from inhalation.
  - Ingestion: Irritating to mouth, throat and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.

## SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Substance Name:</th>
<th>S2 Drosophila Cells, Suspension in ESF 921</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS Number:</td>
<td>None.</td>
</tr>
<tr>
<td>SARA 313:</td>
<td>No</td>
</tr>
<tr>
<td>Ingredients:</td>
<td>This product contains no substances which at their given concentration are considered to be hazardous to health. Ingredients are withheld as a trade secret, but are available to health professionals, ES employees and designated representatives in accordance with applicable provisions of 29 CFR 1910.1200(i)(1)(iv).</td>
</tr>
</tbody>
</table>

## SECTION 4 – FIRST AID MEASURES

- **Skin Contact:** Remove contaminated clothing and shoes. Wash skin thoroughly with plenty of water. If irritation develops, seek medical advice.
- **Inhalation:** Move to fresh air. If breathing is difficult, give oxygen. If breathing is stopped, give artificial respiration.
- **Ingestion:** Rinse mouth with water. Do not give anything by mouth to an unconscious person.
- **Eye Exposure:** Immediately flush eyes with plenty of water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Check and remove contact lenses. Seek medical advice.
- **Notes to physician:** Treat symptomatically.

## SECTION 5 – FIREFIGHTING MEASURES

- **Suitable Extinguishing Media:** Dry chemical powder
- **Auto Ignition Temperature:** Not Applicable
- **Protection for Firefighters:** Self-contained breathing apparatus and protective suit
- **NFPA Rating:**
  - Health: 1
  - Flammability: 0
  - Reactivity: 0
SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment. Prevent contact with skin or eyes (see section 8).

Methods for cleaning up: Clean up with inert absorbent material

SECTION 7 – HANDLING AND STORAGE

Handling: No special handling advice required

Storage: Store in properly labeled containers

SECTION 8 – PRECAUTIONS TO CONTROL EXPOSURE/PERSONAL PROTECTION

Engineering Controls: Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment (PPE):

Eye Protection: Avoid contact with eyes. Wear safety glasses with side shields.

Skin Protection: Prevent contact with the skin as much as possible. Wear protective rubber gloves and lab coat.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practices.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Slightly viscous translucent liquid

pH: Not established

Melting/Freezing Point: °C/°F – No data available

Boiling Point: °C/°F – No data available

Flash Point: °C/°F – No data available

Auto-ignition Temperature: °C/°F – No data available

Oxidizing Properties: No information available

Water Solubility: No data available

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable under normal conditions

Hazardous decomposition products: No information available

Incompatible Materials: No information available

Hazardous polymerization: Will not occur

SECTION 11 – TOXICOLOGICAL INFORMATION

Likely routes of exposure: Inhalation, eye and skin contact, ingestion

Acute toxicity and effects:

Inhalation: No information available

Eye contact: No information available

Skin contact: No information available

Ingestion: No information available
Specific effects:

Carcinogenic: No information available
Mutagenic: No information available
Teratogenic/Reproductive: No information available
Sensitization: No information available

Target organ effects: No information available.
Chronic (long-term) effects: No known effect based on information supplied

SECTION 12 – ECOLOGICAL INFORMATION

Eco-toxicity: No information available
Degradability: Biodegrades slowly
Bioaccumulation: Not expected to occur

SECTION 13 – WASTE DISPOSAL CONSIDERATIONS

Waste disposal method: Disposal of this product, solutions and any by-products should comply with all federal, state and local regulations

SECTION 14 – TRANSPORT INFORMATION

DOT:
Proper shipping name: None
Hazard Class: This substance is considered to be non-hazardous for transport.

IATA:
Proper shipping name: None
Hazard Class: This substance is considered to be non-hazardous for transport.

SECTION 15 – REGULATORY INFORMATION

United States Regulatory Information:
TSCA: This product is solely for research and development purposes only and may not be used, processed or distributed for commercial purpose. It may only be handled by technically qualified individuals.
SARA 313: This product does not contain any 313 chemicals regulated by SARA.
California Proposition 65: This product does not contain chemicals listed under Proposition 65.

Canada Regulatory Information:
DSL/NDSL: Not determined

European Union Regulatory Information:
Product Risk Phrases: None assigned
Product Safety Phrases: None assigned
Product Classification: None
SARA listed: No
SECTION 16 – OTHER INFORMATION

Issuing Date: Feb 2017

Reissue date/reason for reissue: N/A

Intended use of product: Material is sold for research and development purposes only. It is not for any human or animal therapeutic or clinical diagnostic use.

Disclaimer: The information provided on this SDS is correct to the best of our knowledge, information, and belief at the date of its publication. It does not purport to be all inclusive and shall be used only as a guide for safe handling, use, processing, storage, transportation, disposal and release of the product. This is not considered as a warranty or quality specification. Expression Systems shall not be held liable for any damage resulting from the handling or from contact with the above product.