

**GHS SAFETY DATA SHEET**  
**Sf21 Cells, Suspension in ESF AF**

**SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION**

**Product Name:** Sf21 Cells, Suspension in ESF AF  
**Product Use:** For laboratory use.  
Not for human or animal therapeutic or clinical diagnostic use.  
**Product Number:** 94-010S

**Manufacturer:** Expression Systems, LLC  
2537 Second Street  
Davis, CA 95618  
Tel. 1-530-747-2035  
Fax 1-530-747-2034

**SECTION 2 – HAZARDS IDENTIFICATION**

**GHS Classification:**

**Physical State:** Slightly viscous translucent liquid  
**Classification:** WARNING- Irritant. Hazardous if absorbed.

**GHS Label:**



**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**

**Substance Name:** Sf21 Cells, Suspension in ESF AF  
**CAS Number:** None.  
**SARA 313:** No  
**Ingredients:** 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).

**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.

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