

GHS SAFETY DATA SHEET

ESF AF Insect Cell Culture Medium, Protein-Free, Animal-Free

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Product Name: ESF 921 Insect Cell Culture Medium, Protein-Free, Animal-Free **Manufacturer:** Expression Systems, LLC
2537 Second Street
Davis, CA 95618
Tel. 1-530-747-2035
Fax 1-530-747-2034

Product Use: For research use only.
Not for human or animal therapeutic or clinical diagnostic use.

Product Number: 99-300

SECTION 2 – HAZARDS IDENTIFICATION

GHS Classification:

Physical State: Clear Yellow-Brown Liquid

Classification: Not classified as a hazard

HMIS Rating: Health: 0 Flammability: 0 Reactivity: 0

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Substance Name: ESF 921 Insect Cell Culture Medium, Protein-Free, Animal-Free

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.

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 15 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: 0 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: Clear yellow-brown liquid solution

pH: 6.10-6.25

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

Hazardous decomposition products: 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: Inherently biodegradable

Bioaccumulation: Does not bio-accumulate

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:

SARA 313: This product is not regulated by SARA.

Clean Air Act, Sec. 112 Hazardous Air Pollutants (HAPs): This product does not contain HAPs.

California Proposition 65: This product does not contain chemicals listed under Proposition 65.

WHMIS Hazard Class: Non-controlled.

SECTION 16 – OTHER INFORMATION

Issuing Date: Oct 2012

Reissue date/reason for reissue: Feb 2017/Updated company logo.

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.