

SAFETY DATA SHEET

(in accordance with COMMISSION REGULATION (EU) No 830/2015)

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product name: ESF AdvanCD Insect Cell Culture Medium, Chemically Defined

Product Number: 54-018

Chemical Name: Not Applicable

REACH registration number: No registration number is given yet for this substance/substances in this mixture as the annual import quantity is less than one tonnage per annum or the transition period for its registration according to Article 23 of REACH has not yet expired

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: For laboratory use. Not for human or animal therapeutic or clinical diagnostic use.

1.3 Details of the supplier of the safety data sheet

Company: Expression Systems, LLC
2537 Second Street
Davis, California, 95618
USA

Telephone: +1 877-877-7421
+1 530-747-2035

Fax: +1 530-747-2034

Emergency Phone: +1 530-747-2035 Hours of operation: 16:00-01:00 UTC/08:00-17:00 PST (UTC-8)

SECTION 2 – HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not a Hazardous substance or mixture

2.2 GHS label elements

Not a hazardous substance or mixture: No hazard pictograms, signal words, hazard statement or precautionary statements

2.3 Other hazards- None

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

3.1 **Substance Name:** Not Applicable

3.2 Mixture name:

CAS Number: Not applicable

ENEICS: Not applicable

Concentration by weight: Not Applicable

Ingredients: This product contains no substances which at their concentration present a health or environmental hazard within the meaning of Regulation (EC) 1272/2008.

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, Expression Systems employees and designated representatives in accordance with applicable provisions of 29 CFR 1910.1200(i)(1)(iv).

SECTION 4 – FIRST AID MEASURES

4.1 Description of 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.

4.2 Most important symptoms and effects, both acute and delayed

None

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5 – FIREFIGHTING MEASURES

5.1 Extinguishing Media

Suitable extinguishing media: Dry Chemical powder

5.2 Special hazards arising from the substance or mixture: No data

5.3 Advice for firefighters

Auto Ignition Temperature: Not Applicable

Protection for Firefighters: Self-contained breathing apparatus and protective suit

SECTION 6 – ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

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

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and material for containment and cleaning up

Clean up with inert absorbent material. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal, see section 13.

SECTION 7 – HANDLING AND STORAGE

7.1 Precautions for safe handling

No special handling advice required

7.2 Conditions for safe storage, including any incompatibilities

Keep the container tightly closed. Store upright to prevent leakage. To maintain suitability for use, store at 2-8°C in a dark area. Store upright to prevent leakage.

7.3 Specific end use(s)

No uses other than those specified in section 1.2.

SECTION 8 – PRECAUTIONS TO CONTROL EXPOSURE/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values

8.2 Exposure Controls

Engineering Controls: No special environmental controls are required.

Personal Protective Equipment (PPE):

Eye Protection: Avoid contact with eyes. Use eye protection tested and approved under appropriate government standards such as NIOSH (USA) or EN 166 (EU).

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

Respiratory Protection: Respiratory protection not required

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

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Clear, pink/orange solution

pH: 6.00-6.40

Odor: No odor

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

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

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

Evaporation rate: No data available

Flammability (solid, gas) No data available

**Upper/lower flammability
or explosive limits**

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

Vapor pressure: No data available

Vapor density: No data available

Oxidizing Properties: No information available

Water Solubility: No data available

Decomposition temp: °C/°F – No data available

Viscosity: No data available

Explosive properties: No data available

9.2 Other safety information

No Data available

SECTION 10 – STABILITY AND REACTIVITY

10.1 Reactivity No data available

10.2 Chemical stability Stable under recommended storage conditions

10.3 Possibility of hazardous reactions No data available

10.4 Conditions to avoid No data available

10.5 Incompatible materials No data available

10.6 Hazardous decomposition products In event of a fire, see section 5

SECTION 11 – TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

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 component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible or confirmed human carcinogen by the IARC, ACGIH, NTP or OSHA

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

12.1 Toxicity: No information available

12.2 Persistence and degradability: Inherently biodegradable

12.3 Bioaccumulation: Does not bio-accumulate

12.4 Mobility in soil: No data available

12.5 Results of PBT and vPvB assessment:

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects: No data available

SECTION 13 – WASTE DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal of this product, solutions and any by-products should comply with all applicable regional, country, federal, state and local regulations. If unsure of the applicable regulatory requirements, contact a licensed professional waste disposal service to dispose of this material.

SECTION 14 – TRANSPORT INFORMATION

14.1 UN/NA Number: None

14.2 UN/NA proper shipping name: Not applicable

14.3 Transport Hazard Class:

IATA: Not hazardous goods

DOT (US): Not hazardous goods

IMDG: Not hazardous goods

SECTION 15 – REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

United States Regulatory Information:

SARA 302:	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302
SARA 311/312 hazards:	No SARA hazards
SARA 313:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimus) reporting levels established by SARA Title III, Section 313.
Clean Air Act, Sec. 112 Hazardous Air Pollutants (HAPs):	This product does not contain HAPs
California Proposition 65 Components:	This product does not contain chemicals listed under Proposition 65.
WHMIS Hazard Class:	Non-controlled
Massachusetts Right to Know Components:	This product does not contain chemicals on the Massachusetts Right to Know List
New Jersey Right to Know Components:	This product does not contain chemicals on the New Jersey Right to Know List
Pennsylvania Right to Components:	This product does not contain chemicals on the Pennsylvania Right to Know List.

SECTION 16 – OTHER INFORMATION

HMIS Rating

Health hazard:	0
Chronic health hazard:	0
Flammability:	0
Physical hazard:	

NFPA Rating

Health:	0
Flammability:	0
Reactivity:	0

Issuing Date: Sep 2023

Reissue date/reason for reissue: Sep 2023/ Initial Release

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.