

SAFETY DATA SHEET

Recombinant Bovine FGF-2 Protein

SECTION 1- PRODUCT AND COMPANY IDENTIFICATION

Product number/code: BoFGF-2-His purified

Product Name: Recombinant Bovine Basic Fibroblast Growth Factor (FGF-2), Food Grade

Chemical Name: Not Applicable

Registration number: No registration number is given yet for this substance as it is for R&D use only

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

Manufacturer:

COCOON BIOSCIENCE S.L

Parque Científico y Tecnológico Bizkaia, 802

48160 Derio, Vizcaya

Spain

SECTION 2- HAZARDS IDENTIFICATION

GHS/CLP Classification

Physical state: Not hazardous

Health hazards: Not hazardous

Environmental hazards: Not hazardous

Additional information: Not applicable

Label elements: Not applicable, as it is not a commercial product

Other hazards

This mixture does not contain any substances that are assessed to be a PBT or a vPvB

SECTION 3- COMPOSITION/INFORMATION ON 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). We recommend handling all chemicals with caution.

SECTION 4- FIRST AID MEASURES

Skin Contact:	Remove contaminated clothing and shoes. Wash skin thoroughly with plenty of water. Immediate medical attention is not required.
Eye Contact:	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check and remove contact lenses.
Ingestion:	Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.
Inhalation:	Not expected to present a significant inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.
Notes to Physician:	Treat symptomatically

Most important symptoms and effects, both acute and delayed

Not applicable

Indication of any immediate medical attention and special treatment needed

None

SECTION 5- FIREFIGHTING MEASURES

Suitable Extinguishing Media:	Water spray. Carbon dioxide (CO ₂). Foam. Dry chemical
Unsuitable Extinguishing Media:	No information available
Auto Ignition Temperature:	Not Applicable
Advice for fire-fighters:	Standard procedure for chemical fires
Special hazards arising from the substance or mixture	Not known

SECTION 6- ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Always wear recommended Personal Protective Equipment. Prevent contact with skin or eyes (see section 8).
Environmental precautions:	No special environmental precautions required.
Methods for containment and cleaning up	
Clean up with inert absorbent material and place in appropriate containers for disposal.	

SECTION 7- HANDLING AND STORAGE

Handling:	No special handling advice required. Use personal protective equipment as required.
Storage:	Store in properly labeled containers. Store ideally at -80° C (or -20°) for long term storage if in liquid format, and at 4°C if lyophilized.

SECTION 8- PRECAUTIONS TO CONTROL EXPOSURE/PERSONEL PROTECTION

Exposure Limits:	Contains no substances with occupational exposure limit values.
Engineering measures:	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:	Not required
Hygiene Measures:	Handle in accordance with good industrial hygiene and safety practices.
Environmental exposure controls	No special environmental precautions required

SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear light-yellow liquid solution
Odour:	No data available
pH:	7.00-8.00
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
Decomposition temperature:	°C/°F – No data available
Evaporation rate:	No data available
Upper explosion limit:	Mixture has not been tested
Lower explosion limit:	Mixture has not been tested
Vapour Pressure:	Mixture has not been tested
Relative density:	Mixture has not been tested
Specific gravity:	No data
Oxidizing Properties:	No information available
Water Solubility:	No data available
Partition coefficient:	No data available
Viscosity:	No data
Explosive properties:	Mixture has not been tested
Other information	No data available

SECTION 10- STABILITY AND REACTIVITY

Reactivity:	None known
Chemical Stability:	Stable under normal conditions
Possibility of hazardous reactions:	Hazardous reaction has not been reported
Conditions to avoid:	No information available
Hazardous decomposition products:	No information available
Incompatible Materials:	No dangerous reaction known under conditions of normal use
Hazardous polymerization:	Not described

SECTION 11- TOXICOLOGICAL INFORMATION

There is no evidence available indicating acute toxicity.

Principal Routes of Exposure

Skin corrosion/irritation:	No information available
Serious eye damage/irritation:	No information available
Respiratory or skin sensitization:	No information available
Specific target organ toxicity:	No information available
Carcinogenicity:	No information available
Germ cell mutagenicity:	No information available
Reproductive toxicity:	No information available
Aspiration Hazard:	No information available

SECTION 12- ECOLOGICAL INFORMATION

Eco-toxicity:	contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.
Degradability:	No information available
Bioaccumulation:	No bioaccumulation described
Other adverse effects:	No information available

SECTION 13- WASTE DIPOSAL CONSIDERATIONS

Waste disposal method

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in according to approved disposal technique for biowaste, as it might contain residues of baculovirus vector (polyhedron negative and therefore not resistant to environmental conditions). Disposal of this product, solutions and any by-products should comply with all local, regional and national regulations; and/or the European Waste Framework Directive.

SECTION 14- TRANSPORT INFORMATION

DOT/IATA:	Not regulated in the meaning of transport regulations
Proper shipping name:	Not applicable
Transport Hazard Class:	This substance is considered to be non-hazardous for transport
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user:	Not applicable

SECTION 15- OTHER INFORMATION

Issuing Date: November 2023

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. Algenex shall not be held liable for any damage resulting from the handling or from contact with the above product.