Safety Data Sheet
according to Regulation (EC) No. 1907/2006

Safety Data Sheet (SDS) cover page for
FeSSIF-V2 Powder

Version:	V2.1
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Email: sds@biorelevant.com

SECTION 1: Identification of the mixture and of the company/undertaking

1.1 Product identifier

Name	FeSSIF-V2 Powder
Description	Powder containing sodium taurocholate, soy lecithin and lipolysis products
Code	V2FES
Type	Mixture
Manufacturer	Biorelevant

Other means of identification

White to slightly yellow powder in white HDPE Bottle or Laminate Pouch.

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

Laboratory reagents.

1.3 Details of the supplier of the safety data sheet

Name	Biorelevant
Address	QMB Innovation Centre 42 New Road London, E1 2AX United Kingdom
Telephone	+44 (0)20 7531 9632
Email	sds@biorelevant.com

1.4 Emergency telephone number

Telephone Number:	+44 (0)20 7531 9632

SECTION 2: Hazards identification

General hazard statement

Substances are not classified as dangerous according to European Union legislation.

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

H315	Skin irritation
H319	Eye irritation
H335	Respiratory irritation

According to the majority of notifications provided by companies to ECHA in CLP notifications no hazards have been classified for other ingredients.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]

Hazard pictograms



Signal word	**Irritant**
Hazard statement(s)	
H315	Skin irritation
H319	Eye irritation
H335	Respiratory irritation

Precautionary statement(s)

P234	Keep only in original container
P261	Avoid breathing dust
P271	Use in a well-ventilated area or inside a fume hood
P280	Wear protective gloves/protective clothing/eye protection/face protection

2.3 Other hazards

This mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1 Substance

Not applicable.

3.2 Mixtures

Potentially hazardous components:

Sodium Taurocholate

Concentration	55- 65% (weight)
EC no.	205-653-7
CAS no.	145-42-6
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

According to the majority of notifications provided by companies to ECHA in CLP notifications no hazards have been classified for other ingredients.

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes	In case of accident or if you feel unwell, seek medical advice immediately (show SDS where possible).
In case of inhalation	Move into fresh air. If symptoms persist, call a physician.
In case of skin contact	Remove contaminated clothing and wash it before reuse. Wash with plenty of water for at least 15 minutes. if irritation develops or persists, call a physician.
In case of eye contact	Remove contact lenses. Protect unharmed eye. Rinse cautiously with water for at least 15 minutes. If eye irritation persists, call a physician.
In case of ingestion	If accidently ingested, rinse mouth with water. Give plenty of water to drink. If vomiting occurs give further water, call a physician.
Self-protection of the first aider	Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in Section 11.

4.3 Indication of any immediate medical attention and special treatment needed

Note to physician: treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Fire may liberate hazardous combustion products: Carbon monoxide (CO), Carbon dioxide (CO2), Nitrogen oxides (NOx), Sulfur oxides and Sodium oxides.

5.3 Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Use personal protective equipment to prevent contamination of skin, eyes and personal clothing. Ensure adequate ventilation. Avoid dust formation. Remove ignition sources.

Advice for non-emergency personnel: Evacuate the danger area, observe emergency procedures, consult an expert.

Advice for emergency responders: Protective equipment see Section 8.

6.2 Environmental precautions
In case of accidental release or spills, prevent contamination of surface and ground waters, sewers, soil.

6.3 Methods and material for containment and cleaning up
Stop the spill if it can be done safely. Collect the material with mechanic means, wearing appropriate protective equipment, and store in a clean and appropriate waste disposal container. Wash the area with water.

6.4 Reference to other sections
See Section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Wear personal protective equipment. Ensure adequate ventilation. Avoid dust formation. Avoid breathing dust, vapour, mist, or gas. Avoid contact with skin and eyes. Avoid ingestion and inhalation. Change contaminated clothing. Wash hands after working with mixtures. For precautions see Section 2.

7.2 Conditions for safe storage, including any incompatibilities
Store unopened HDPE Bottle in a refrigerator (2-8°C).
Store Laminate Pouch at room temperature.
Do not transfer powder out of original HDPE Bottle or Laminate Pouch. Protect from light and humidity for stability purposes.

7.3 Specific end use(s)
Laboratory reagents.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
Ingredients with workplace control parameters
Contains no substances with occupational exposure limit values

8.2 Exposure controls
Personal protection equipment:
Eye and face protection
Use safety glasses for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection
Wear appropriate protective gloves to prevent skin exposure (minimum requirement).

Body protection
Wear appropriate personal protective equipment.

Respiratory protection
Filtering face dust (EN149) medium degree of protection (FFP2).

Thermal hazards
No data available.

Environmental exposure controls
Do not allow material to contaminate ground water system.

Appropriate engineering controls
Ensure that eyewash stations and safety showers are close to the workstation location.

Wherever possible, engineering control measures such as the isolation or enclosure of the process, the introduction of process or equipment changes to minimise release or contact, and the use of properly designed ventilation systems, should be adopted to control hazardous materials at source.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	White to slightly yellow powder solid
Odour	Not distinctive
Odour threshold	Not applicable
pH	Not applicable / solid
Melting point / freezing point	No information available
Initial boiling point and boiling range	No information available
Flash point	No information available
Evaporation rate	Not applicable / solid
Flammability (solid, gas)	No information available
Upper/lower flammability limits	No information available
Vapour pressure	Not applicable / solid
Vapour density	No information available
Relative density	No information available
Solubility	Freely soluble
Partition coefficient: n-octanol/water	No information available
Auto-ignition temperature	No information available
Decomposition temperature	No information available
Viscosity	Not applicable / solid
Explosive properties	No information available
Oxidising properties	No information available

9.2 Other information

No other relevant information to be added to Section 9.

SECTION 10: Stability and reactivity

10.1 Reactivity

None under normal use conditions.

10.2 Chemical stability

HDPE Bottle: Stable in a refrigerator (2-8°C). Product is hygroscopic. Protect from moisture.
Laminate Pouch: Stable at room temperature. Product is hygroscopic. Protect from moisture.

10.3 Possibility of hazardous reactions

None under normal use conditions. Hazardous decomposition products formed under fire conditions.

10.4 Conditions to avoid

Avoid dust formation. Incompatible products. Excess heat: do not expose to heat or ignition sources.

10.5 Incompatible materials

Avoid contact with strong oxidising and reducing agents.

10.6 Hazardous decomposition products

In the event of fire: see Section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

No data available.

Skin corrosion/irritation

Irritating to skin.

Serious eye damage/irritation

Causes eye irritation.

Respiratory or skin sensitization

May cause irritation to the respiratory system. No skin sensitisation data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity
No data available.

Summary of evaluation of the CMR properties
No data available.

STOT-single exposure
No data available.

STOT-repeated exposure
No data available.

Aspiration hazard
Not applicable / Solid.

Additional information
When the product is handled appropriately, hazardous effects are unlikely to occur.

SECTION 12: Ecological information

12.1 Toxicity
Contains no substances known to be hazardous to the environment or that are not degradable in wastewater treatment plants.

12.2 Persistence and degradability
Highly soluble in water: persistence is unlikely.

12.3 Bio-accumulative potential
No data available for assessment.

12.4 Mobility in soil
The product is water soluble and may spread in water systems. Will likely be mobile in the environment due to its water solubility and thus mobile in soils.

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 other adverse effects are expected.

12.7 Other information
No other relevant information to be added to Section 12.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Disposal of the product
Any disposal practice must comply with all local and national laws and regulations. Send to controlled landfills or authorized incinerators.

Disposal of contaminated packaging
Dispose of as unused product.

Waste treatment
Do not dispose of waste into sewer.

Sewage disposal
Do not dispose of waste into sewer.

SECTION 14: Transport information

Land transport (ADR/RID)
14.1 - 14.6
Not regulated as a dangerous good.

Inland waterway transport (ADN)
14.1 - 14.6

Not regulated as a dangerous good.

Air transport (IATA)

14.1 - 14.6

Not regulated as a dangerous good.

Sea transport (IMDG)

14.1 - 14.6

Not regulated as a dangerous good.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

This substance is not listed in the Annex I of Directive 96/82/CE.

15.2 Chemical Safety Assessment

A chemical safety assessment has not been carried out.

SECTION 16: Other information

Full text of hazard statements referenced in Section 2

H315	Causes skin irritation
H319	Causes eye irritation
H335	May cause respiratory irritation

This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since we cannot control the conditions under which the product may be used, each user must review the SDS prior to usage in the context of the intended use in order to handle and employ the product in their workplace. If clarification is needed to ensure an appropriate assessment can be made, the user should contact us.

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