



# SAFETY DATA SHEET

## MitoXpress Xtra

according to Regulation  
(EC) No. 1272/2008  
Version 1.0  
Date: 28-11-16

### SECTION 1: Identification of the substance/mixture and of the company

#### 1.1 Product identifier

Product Name: MitoXpress® Xtra  
Product Part Number: MX-400

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

For Research use only, not for human or veterinary use.

#### 1.3 Details of the supplier of the safety data sheet

Company: Luxcel Biosciences Ltd  
Hoffman Park, Inchera,  
Little Island, Cork,  
T45 YX04  
Ireland

Telephone: +353 (0)21 2428880  
Website: [www.luxcel.com](http://www.luxcel.com)  
Email: [info@luxcel.com](mailto:info@luxcel.com)

#### 1.4 Emergency telephone number

Emergency Tel No: +353 (0)21 2428880 (08.30 – 17.00 GMT)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to (Regulation (EC) No 1272/2008) [CLP/GHS]

Not classified as hazardous for supply

##### Classification (1999/45/EC)

Not classified as hazardous for supply

Risk Phrases:

For full text of R-phrases and Hazard- and EU Hazard-statements: see section 16

#### 2.2 Label elements

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

GHS Signal Word: None

GHS Hazard phrases: based on evaluation of currently available data this substance or mixture is not classifiable according to GHS

GHS Precautionary Phrases: no phrases apply

GHS Storage and Disposal Phrases: please refer to section 7 for Storage and Section 13 for Disposal information

##### Labeling according to Directive 1999/45/EC:

#### 2.3 Adverse Human Health effects and Symptoms:

Material may be irritating to the mucous membrane and upper respiratory tract.

May be harmful by inhalation, ingestion, or skin adsorption. May cause eye, skin, or respiratory system irritation.

To the best of our knowledge, the toxicological properties have not been thoroughly investigated.



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### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

#### 3.2 Mixtures

CAS # / RTECS #	Hazardous Components (Chemical name) / REACH Registration No.	Concentration	EC No./EC Index No.	Risk Phrases/GHS Classification
NA	MitoXpress® Xtra	100%	NA	No phrases apply.
NA			NA	No data available.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### Contact with skin

Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

If skin irritation or rash occurs: Get medical advice/attention.

##### Contact with eyes

If substance has gotten into eyes, immediately wash out with plenty of water for at least 15 minutes

Irrigate eyes thoroughly while lifting eyelids Seek medical advice if necessary

##### Ingestion

Rinse mouth with water (do not swallow)

Never make an unconscious person vomit or drink fluids

If medical advice is needed, have product container or label at hand.

##### Inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

Call a POISON CENTER or doctor/physician if you feel unwell.

#### 4.2 Most important symptoms and effects, both acute and delayed

May cause irritation

#### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically



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### SECTION 5: Fire-fighting measures

#### 5.1 Extinguishing media

In case of fire: use foam, carbon dioxide or dry agent for extinction

#### 5.2 Special hazard arising from the substance or mixture

No specific fire or explosion hazard

Smoke from fires is toxic. Take precautions to protect personnel from exposure

See Section 10

#### 5.3 Advice for firefighters

Keep container(s) exposed to fire cool, by spraying with water

Wear chemical protection suit and positive-pressure breathing apparatus

Wear protective clothing as per section 8

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Shut off all ignition sources

Avoid raising and breathing dust, and provide adequate ventilation

Remove contaminated clothing

Wear protective clothing as per section 8

Wash thoroughly after dealing with spillage

#### 6.2 Environmental Precautions

Do not allow to enter public sewers and watercourses

#### 6.3 Methods and material for containment and cleaning up

Absorb spillage in inert material and shovel up

Place in sealable container

Seal containers and label them

Transfer to a chemical waste container for disposal in accordance with local regulations

Ventilate the area and wash spill site after material pick-up is complete

#### 6.4 Reference to other sections

See Section 7

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Do not breathe dust

Avoid contact with skin and eyes

Do not eat, drink or smoke when using this product.

Ensure adequate ventilation

Eyewash bottles should be available

Wash hands thoroughly after using this substance

#### 7.2 Conditions for safe storage, including any incompatibilities

Store at temperatures not exceeding 25°C/77°F. Keep cool.



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Keep container tightly closed.  
Store in accordance with information listed on the product insert.  
Store in a dry place.

### 7.3 Specific end use(s)

For research use only, not for human or veterinary use.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

There are no recommended or established controls for this product

### 8.2 Exposure controls

Eyewash bottles should be available  
Engineering controls should be provided to prevent the need for ventilation  
No respiratory protection is needed if ventilation/extraction is adequate, otherwise wear approved dust mask, N95 (US) or type FFP1 (EN143) dust masks.  
Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.  
Wear safety glasses approved to standard for NIOSH (US) or EN 166.  
Wear suitable protective clothing: Gloves, Safety glasses, Lab coat  
Do not take internally

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical States:	Solid
Appearance:	A lyophilized powder
Odor:	No information available
Melting point/Range:	No information available
Boiling Point/Range:	Not determined
Flashpoint:	No information available
Evaporation Rate:	No information available
Flammability:	No information available
Vapor Pressure:	No information available
Vapor Density:	No information available
Specific Gravity:	No information available
Solubility in water:	Insoluble in water
Partition Coefficient (n-Octanol/Water):	No information available
Auto-ignition Temperature:	No information available
Viscosity:	No information available
Explosive Properties:	Product does not present an explosion hazard
Oxidizing Properties:	No information available

### 9.2 Other information

No information available



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### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

No information available

#### 10.2 Chemical stability

Stable if stored in accordance with information listed on the product insert. Polymerization will not result in odour.

#### 10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose

#### 10.4 Conditions to avoid

No data available

#### 10.5 Incompatible materials

No data available

#### 10.6 Hazardous Decomposition Products

No data available

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

The toxicological effects of this product have not been thoroughly studied

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No



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### SECTION 12: Ecological information

#### 12.1 Toxicity

No information available

To the best of our knowledge, the properties of this material have not been fully evaluated.

Avoid release into the environment.

Runoff from fire control or dilution water may cause pollution

### SECTION 13 Disposal considerations

#### 13.1 Waste treatment methods

Disposal should be in accordance with local, state or national legislation

Do not discharge into drains or the environment, and dispose to an authorized waste collection point.

### SECTION 14: Transport information

#### 14.8 Land transport (US DOT)

DOT Proper Shipping Name: Not dangerous goods

DOT Hazard Class:

UN/NA:

#### 14.9 Land transport (European ADR/RID)

ADR/RID Shipping Name: Not dangerous goods.

UN Number:

Hazard Class:

#### 14.11 Air transport (ICAO/IATA)

ICAO/IATA Shipping Name: Not dangerous goods

Additional transport information: Transport in accordance with local, state, and federal regulations

### SECTION 15: Regulatory information

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

This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006- 453/2010 (REACH) and OSHA Hazard Communication Standard 29 CFR 1910.1200.

Regulation (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) applies in Europe

#### European Community Hazard Symbol Codes:

#### European Community Risk and Safety Phrases:

S24/25 Avoid contact with skin and eyes

S37/39 Wear suitable gloves and eye/face protection

#### Regulatory information statement:

This SDS was prepared in accordance with Regulation (EC) No. 1272/2008 and European Directive 67/548/EEC as amended.



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### 15.2 Chemical Safety Assessment

No information available

### 15.3 United States Regulatory Information

#### EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical name)	S.302 (EHS)	S.304 RQ	S. 313 (TRI)
NA	MitoXpress Xtra	No	No	No
CAS #	Hazardous Components (Chemical name)	Other US EPA or State Lists		
NA	MitoXpress Xtra	CAA HAP, ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No		

## SECTION 16: Other information

Additional information about this product: no data available

### Further information

This document is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. We make no warranty of the merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.