



Safety Data Sheet

TissueSpec® Liver ECM Additive

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Safety Data Sheet

TissueSpec® Liver ECM Additive

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifier

Product Name: TissueSpec® Liver ECM Additive
Product #: Custom

1.2 Product Use

For research use only. Not for use in diagnostic or therapeutic procedures.

1.3 Manufacturer/Supplier Information

Xylyx Bio, Inc.
760 Parkside Avenue, Suite 321
Brooklyn, New York 11226
Phone: +1 (212) 689-9005
Email: info@xylyxbio.com

1.4 SDS Preparation

By: Xylyx Bio, Inc.
Date: 11/12/2019

1.5 Emergency Telephone Number

Phone: +1 (212) 689-9005

2. COMPOSITION/INFORMATION ON INGREDIENTS

2.1 Mixtures

Synonyms: none.
Product contains biological material of porcine origin.

Component	% (w/w)
Water	99.16
Matrix proteins	0.8
Hydrochloric acid	0.04
CAS #: 7647-01-0	

3. HAZARDS IDENTIFICATION

3.1 Classification of the substance or mixture

GHS classification: none.

3.2 Label elements

Hazard pictogram. Signal word: Warning



3.3 Other hazards information

Product contains biological material of porcine origin. May be harmful.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person to fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash with soap and water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes. Consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

No data available.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

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

5.2 Special hazards arising from the substance or mixture

Nature of decomposition products not known.

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment, and emergency precautions

Avoid breathing vapors, mist, or gas. For personal protection, see section 8.

6.2 Environmental precautions

No special environmental precautions required.

6.3 **Methods and materials for containment and clean up**

Keep in suitable, closed containers for disposal.

6.4 **Reference to other sections**

For disposal see section 13.

7. **HANDLING AND STORAGE**

7.1 **Precautions for safe handling**

Avoid inhalation of vapor or mist. For precautions see section 3.

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

Keep container tightly closed in a dry and well-ventilated place. Containers that are opened must be carefully resealed and kept upright to prevent leakage.

7.3 **Specific end use(s)**

Apart from the uses mentioned in section 1.2, no other specific uses are stipulated.

8. **EXPOSURE CONTROL/PERSONAL PROTECTION**

8.1 **Control parameters**

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2 **Exposure controls**

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the workday.

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body protection

Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

No special environmental precautions required.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a.	Physical state	Liquid
b.	Color	White
c.	Odor	No data available.
d.	Odor threshold	No data available.
e.	pH	1.5 – 3.5
f.	Melting point/freezing point	No data available.
g.	Boiling point and boiling range	No data available.
h.	Flash point	No data available.
i.	Evaporation rate	No data available.
j.	Flammability (solid, gas)	No data available.
k.	Upper/lower flammability or explosive limits	No data available.
l.	Vapor pressure	No data available.
m.	Vapor density	No data available.
n.	Relative density	No data available.
o.	Density	No data available.
p.	Solubility	No data available.
q.	Partition coefficient: n-octanol/water	No data available.
r.	Auto-ignition temperature	No data available.
s.	Decomposition temperature	No data available.
t.	Viscosity	No data available.
u.	Explosive properties	No data available.
v.	Oxidizing properties	No data available.

9.2 Other safety information

No data available.

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

Other decomposition products – No data available. In the event of fire, see section 5

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

No data available.

Skin corrosion/irritation

No data available.

Serious eye damage/eye irritation

No data available.

Respiratory or skin sensitization

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

Specific target organ toxicity (single exposure)

The substance or mixture is not classified as a specific target organ toxicant, single exposure.

Specific target organ toxicity (repeated exposure)

The substance or mixture is not classified as a specific target organ toxicant, repeated exposure.

Aspiration hazard

No data available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No data available.

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

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.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Dispose according to applicable local, state, and federal regulations.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

The following components are subject to reporting levels established by SARA Title III, Section 313:
Hydrochloric acid, CAS #: 7647-01-0, Revision date: 1993-04-24

SARA 311/312 Hazards

No SARA Hazards.

Massachusetts Right To Know Components

Hydrochloric acid, CAS #: 7647-01-0, Revision date: 1993-04-24

Pennsylvania Right To Know Components

Water, CAS #: 7732-18-5

Hydrochloric acid, CAS #: 7647-01-0, Revision date: 1993-04-24

New Jersey Right To Know Components

Water, CAS #: 7732-18-5

Hydrochloric acid, CAS #: 7647-01-0, Revision date: 1993-04-24

California Prop. 65 Components

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

HMIS Rating

Health hazard	1
Chronic health hazard	
Flammability	0
Physical hazard	0

NFPA Rating

Health hazard	0
Fire hazard	0
Reactivity hazard	0

Additional Information

© 2019 Xylyx Bio, Inc. The information in this document is applicable to product with regard to appropriate safety precautions. This document does not represent any guarantee of properties or performance of the product. Xylyx Bio, Inc. and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the product.

Safety Data Sheet

Component A

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifier

Product Name: Component A

1.2 Product Use

For research use only. Not for use in diagnostic or therapeutic procedures.

1.3 Manufacturer/Supplier Information

Xylyx Bio, Inc.
760 Parkside Avenue, Suite 321
Brooklyn, New York 11226
Phone: +1 (212) 689-9005
Email: info@xylyxbio.com

1.4 MSDS Preparation

By: Xylyx Bio, Inc.
Date: 11/12/2019

1.5 Emergency Telephone Number

Phone: +1 (212) 689-9005

2. COMPOSITION/INFORMATION ON INGREDIENTS

2.1 Mixtures

Synonyms: NaOH
Formula: HNaO
Molecular weight: 40.0 g/mol

No components need to be disclosed according to the applicable regulations.

3. HAZARDS IDENTIFICATION

3.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

3.2 Label elements

Not a hazardous substance or mixture.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person to fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash with soap and water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes. Consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

No data available.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

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

5.2 Special hazards arising from the substance or mixture

No data available.

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment, and emergency precautions

Avoid breathing vapors, mist, or gas. For personal protection, see section 8.

6.2 Environmental precautions

No special environmental precautions required.

6.3 Methods and materials for containment and clean up

Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

For precautions see section 3.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2, no other specific uses are stipulated.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls

General industrial hygiene practice.

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body protection

Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

No special environmental precautions required.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a.	Physical state	Liquid
	Molecular mass	40.00 g/mol
	Color	Colorless
b.	Odor	No data available.
c.	Odor threshold	No data available.
d.	pH	13.0
e.	Melting point/freezing point	No data available.
f.	Boiling point and boiling range	No data available.
g.	Flash point	No data available.
h.	Evaporation rate	No data available.
i.	Flammability (solid, gas)	No data available.
j.	Upper/lower flammability or explosive limits	No data available.
k.	Vapor pressure	No data available.
l.	Vapor density	No data available.
m.	Density	1.00 g/cm ³
n.	Solubility	No data available.
o.	Partition coefficient: n-octanol/water	No data available.
p.	Auto-ignition temperature	No data available.
q.	Decomposition temperature	No data available.
r.	Viscosity	No data available.
s.	Explosive properties	No data available.
t.	Oxidizing properties	No data available.

9.2 Other safety information

No data available.

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

Strong oxidizing agents, strong acids, organic materials.

10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. Nature of decomposition products not known.

Other decomposition products - No data available.

In the event of fire, see section 5.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

No data available.

Skin corrosion/irritation

No data available.

Serious eye damage/eye irritation

No data available.

Respiratory or skin sensitization

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

Specific target organ toxicity (single exposure)

No data available.

Specific target organ toxicity (repeated exposure)

No data available.

Aspiration hazard

No data available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No data available.

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

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.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Dispose according to applicable local, state, and federal regulations.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)

Not dangerous goods.

IATA

Not dangerous goods.

15. REGULATORY INFORMATION

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards.

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right To Know Act.

Pennsylvania Right To Know Components

Water, CAS #: 7732-18-5

Sodium hydroxide, CAS #: 1310-73-2, Revision date: 2007-03-01

New Jersey Right To Know Components

Water, CAS #: 7732-18-5

California Prop. 65 Components

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

HMIS Rating

Health hazard	0
Chronic health hazard	
Flammability	0
Physical hazard	0

NFPA Rating

Health hazard	0
Fire hazard	0
Reactivity hazard	0

Additional Information

© 2019 Xylyx Bio, Inc. The information in this document is applicable to product with regard to appropriate safety precautions. This document does not represent any guarantee of properties or performance of the product. Xylyx Bio, Inc. and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the product.