



### 07003 - CellAdhere™ Tropoelastin, Human, Lyophilized

Revision Date 14-May-2018 Revision Number 1

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier		
Product Name	CellAdhere™ Tropoelastin, Human, Lyophilized	
Other means of identification		
Catalog Number	07003	
Document Number	DX22488	
Synonyms	None	
Recommended use of the chemica	l and restrictions on use	
Recommended Use	Laboratory reagent	
STEMCELL TECHNOLOGIES INC.'S QUALITY MANAGEMENT SYSTEM IS CERTIFIED TO ISO 13485. PRODUCTS ARE FOR RESEARCH USE ONLY AND NOT INTENDED FOR HUMAN OR ANIMAL DIAGNOSTIC OR THERAPEUTIC USES UNLESS OTHERWISE STATED.		
Details of the supplier of the safety data sheet		
<u>Manufacturer/Supplier</u> STEMCELL Technologies Canada Inc. Suite 500 - 1618 Station Street Vancouver, British Columbia V6A 1B6 Canada		
Emergency telephone number		
Emergency Telephone	1-800-667-0322	
2. HAZARDS IDENTIFICATION		
Classification		

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

#### Hazards not otherwise classified (HNOC)

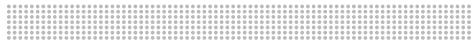
Not applicable

#### Label elements

#### Hazard statements

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)





## 07003 - CellAdhere™ Tropoelastin, Human, Lyophilized

Revision Date 14-May-2018 Revision Number 1

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Appearance Powder

Physical state Solid

Odor No information available

# Other Information Not applicable

......

Unknown acute toxicity 100 % of the mixture consists of ingredient(s) of unknown toxicity

100 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

100 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

#### Substance

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

Chemical name	CAS No.	Weight-%
Human Tropoelastin	9007-58-3	100

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

## 4. FIRST AID MEASURES

#### **Description of first aid measures**

o fresh air.	
Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids Consult a physician.	
with soap and water.	
uth with water and drink afterwards plenty of water.	





Revision Date 14-May-2018 Revision Number 1

# SAFETY DATA SHEET

### 07003 - CellAdhere™ Tropoelastin, Human, Lyophilized

Most important symptoms and effects, both acute and delayed No information available. Symptoms Indication of any immediate medical attention and special treatment needed Note to physicians Treat symptomatically. 5. FIRE-FIGHTING MEASURES Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. CAUTION: Use of water spray when fighting fire may be inefficient. Unsuitable extinguishing media Specific hazards arising from the No information available. chemical Explosion data Sensitivity to Mechanical Impact None. Sensitivity to Static Discharge None. Special protective equipment for Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. fire-fighters

### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation.

Environmental precautionsSee Section 12 for additional Ecological Information.Environmental precautionsSee Section 12 for additional Ecological Information.Methods and material for containment and cleaning upPrevent further leakage or spillage if safe to do so.Methods for containg upPick up and transfer to properly labeled containers.Prevention of secondary hazardsClean contaminated objects and areas thoroughly observing environmental regulations.





## 07003 - CellAdhere™ Tropoelastin, Human, Lyophilized

Revision Date 14-May-2018 Revision Number 1

## 7. HANDLING AND STORAGE

Precautions for safe handling		
Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice.	
Conditions for safe storage, includi	ing any incompatibilities	
Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place.	
8. EXPOSURE CONTROLS/PERSONAL PROTECTION		
Control parameters		
Exposure Limits	The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.	
Appropriate engineering controls		
Engineering controls	Showers Eyewash stations Ventilation systems.	
Individual protection measures, such	ch as personal protective equipment	
Eye/face protection	No special protective equipment required.	
Skin and body protection	No special protective equipment required.	
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.	
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.	

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties





### 07003 - CellAdhere™ Tropoelastin, Human, Lyophilized

Revision Date 14-May-2018 Revision Number 1

Physical state Appearance Color Odor Odor threshold

Property pН Melting point / freezing point Boiling point / boiling range Flash point **Evaporation rate** Flammability (solid, gas) Flammability Limit in Air Upper flammability limit: Lower flammability limit: Vapor pressure Vapor density **Relative density** Water solubility Solubility in other solvents Partition coefficient Autoignition temperature **Decomposition temperature Kinematic viscosity** Dynamic viscosity **Explosive properties Oxidizing properties** 

Other Information Softening point Molecular weight Molecular formula VOC Content (%) Liquid Density Bulk density Solid Powder No information available No information available No information available

#### Values

No data available No data available

No data available No data available No data available No data available No data available No data available No data available No data available No data available No data available No data available No data available No data available No data available No information available

No information available No information available No information available No information available No information available No information available

#### Remarks • Method

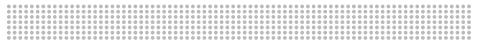
None known None known None known None known None known None known

None known None known None known None known None known None known None known None known

### **10. STABILITY AND REACTIVITY**

Reactivity	No information available.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	None known based on information supplied.
Incompatible materials	None known based on information supplied.





### 07003 - CellAdhere™ Tropoelastin, Human, Lyophilized

Revision Date 14-May-2018 Revision Number 1

Hazardous decomposition products None known based on information supplied.

### **11. TOXICOLOGICAL INFORMATION**

Information on likely routes of exposure

**Product Information** 

Ingestion	Specific test data for the substance or mixture is not available.	
Skin contact	Specific test data for the substance or mixture is not available.	
Eve contact	Specific test data for the substance or mixture is not available.	
halation Specific test data for the substance or mixture is not available		

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Numerical measures of toxicity

#### Acute toxicity

Unknown acute toxicity100 % of the mixture consists of ingredient(s) of unknown toxicity100 % of the mixture consists of ingredient(s) of unknown acute oral toxicity100 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Delayed and immediate effects as well as chronic effects from short and long-term exposure\_





## 07003 - CellAdhere™ Tropoelastin, Human, Lyophilized

Revision Date 14-May-2018 Revision Number 1

STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.

## **12. ECOLOGICAL INFORMATION**

Ecotoxicity	The environmental impact of this product has not been fully investigated.	
Persistence and degradability	No information available.	
Bioaccumulation	There is no data for this product.	
Other adverse effects	No information available.	

## **13. DISPOSAL CONSIDERATIONS**

Waste treatment methods	
Waste from residues/unused products	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Do not reuse empty containers.

## **14. TRANSPORT INFORMATION**

DOT	Not regulated
TDG	Not regulated
MEX	Not regulated
ICAO (air)	Not regulated
IATA_	Not regulated
IMDG	Not regulated





### 07003 - CellAdhere™ Tropoelastin, Human, Lyophilized

Not regulated

Revision Date 14-May-2018 Revision Number 1

RID Not regulated

ADR Not regulated

ADN

#### **15. REGULATORY INFORMATION**

Does not comply
Complies
Complies
Does not comply
Complies
Does not comply
Does not comply
Complies

Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

#### US Federal Regulations

#### <u>SARA 313</u>

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories	
Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

#### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and





### 07003 - CellAdhere™ Tropoelastin, Human, Lyophilized

Revision Date 14-May-2018 Revision Number 1

Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

US State Regulations This product does not contain any substances regulated by state right-to-know regulations

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

### 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

Prepared By,

Quality Control. STEMCELL Technologies Canada Inc.

Revision Date 14-May-2018

Revision Note

No information available.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. STEMCELL Technologies Inc. shall not be held liable for any damage resulting from handling or from contact with the product.

**End of Safety Data Sheet**