

## MATERIAL SAFETY DATA SHEET

**EXEMPT**

### Recombinant Human Tissue Plasminogen Activator, Active

#### Section I – Product and Company Identification:

**Product Name:** Recombinant Human Tissue Plasminogen Activator, Active (TPA/PLAT)

**Product Number:** CRT170A – 10 µg  
CRT170B – 100 µg  
CRT170C – 1.0 mg

**Manufacturer/Supplier:** Cell Sciences, Inc.  
65 Parker Street  
Unit 11  
Newburyport, MA 01950  
Toll Free: 888 769-1246  
Phone: 978-572-1070

---

#### Section II - Hazards Identification

##### CLASSIFICATION OF SUBSTANCE OR MIXTURE

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

This substance does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC or 1272/2008.

**GHS Classification:** Not a dangerous substance or mixture.

##### HMIS RATING

HEALTH: 0  
FLAMMABILITY: 0  
PHYSICAL: 0

##### NFPA RATING

HEALTH: 0  
FLAMMABILITY: 0  
REACTIVITY: 0

---

#### Section III – Composition/Information on Components

This product does not contain hazardous chemicals at concentrations of 1% or greater. Additionally, this product is not known to contain carcinogens at concentrations of 0.1% or greater. This product is EXEMPT from SDS requirements.



## MATERIAL SAFETY DATA SHEET

**EXEMPT**

### Recombinant Human Tissue Plasminogen Activator, Active

#### Section IV – First Aid Measures

- EYE:** Check for contact lenses and remove if present. Flush eyes with plenty of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Seek medical attention if eyes remain red or irritated.
- SKIN:** Wash contact areas thoroughly with soap and water. Seek medical attention if area remains irritated.
- INHALATION:** Remove from further exposure. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek medical attention immediately.
- INGESTION:** Seek medical attention and appropriate follow-up.
- 

#### Section V – Fire Fighting Measures

- FLASH POINT:**  
**UEL:** None established.  
**LEL:** None established.
- AUTOIGNITION TEMP:** None established.
- FLAMMABILITY CLASSIFICATION:** Non-flammable material.
- EXTINGUISHING MEDIA:** Use media appropriate for site conditions.
- UNUSUAL FIRE AND EXPLOSION HAZARDS:** None known. Wear self-contained breathing apparatus and protective garments appropriate for site conditions.
- FIRE-FIGHTING EQUIPMENT:** Not applicable - non-flammable material.
- HAZARDOUS COMBUSTION PRODUCTS:** Non-determined.
- 

#### Section VI – Accidental Release Measures

- PERSONAL PRECAUTIONS:** Use standard laboratory practices, including proper personal protective equipment.
- ENVIRONMENTAL PRECAUTIONS:** Prevent further leakage or spillage. Do not let product enter drains.
- METHODS FOR CLEANING UP:** Absorb liquid components with absorbent material. Sweep up absorbent material or dry components, place in a bag and hold for waste disposal. Dispose in accordance with local, state and federal regulations.
- 

#### Section VII – Handling and Storage

- HANDLING:** Use standard laboratory practices. No special measures or precautions required if used correctly.
- STORAGE:** Keep container tightly sealed. Store as indicated on datasheet.



## MATERIAL SAFETY DATA SHEET

**EXEMPT**

### Recombinant Human Tissue Plasminogen Activator, Active

#### Section VIII – Exposure Controls / PPE

**Control Parameters:** None known. Contains no substances with occupational exposure limits.

**Ventilation Data:** Provide adequate local exhaust ventilation.

**Respiratory Protection:** None required.

**Protective Gloves:** Wear compatible chemical resistant gloves.

**Other Protective Equipment:** Eye protection, lab coat, apron or other protective clothing to minimize contact.  
Eyewash stations and deluge showers should be available.

**Work Practices:** Observe appropriate laboratory hygiene practices. Avoid contact with skin or eyes. Wash any exposed body area thoroughly with soap and water after completion of activities involving product. No smoking, drinking and eating at working site.

#### Section IX– Physical/Chemical Properties

<b>Appearance Physical State:</b>	Clear colorless liquid (frozen)	<b>Solvent Content:</b>	NO DATA
<b>Molecular Weight:</b>	~70 kDa	<b>Evaporation Rate:</b>	NO DATA
<b>pH:</b>	NO DATA	<b>Viscosity:</b>	NO DATA
<b>BP/BP Range:</b>	NO DATA	<b>Surface Tension:</b>	NO DATA
<b>MP/MP Range:</b>	NO DATA	<b>Partition Coefficient:</b>	NO DATA
<b>Freezing Point:</b>	NO DATA	<b>Decomposition Temp.:</b>	NO DATA
<b>Vapor Pressure:</b>	NO DATA	<b>Flash Point:</b>	NO DATA
<b>Vapor Density:</b>	NO DATA	<b>Explosion Limits:</b>	NO DATA
<b>Saturated Vapor Conc:</b>	NO DATA	<b>Flammability:</b>	NO DATA
<b>SG/Density:</b>	NO DATA	<b>Auto ignition Temp:</b>	NO DATA
<b>Bulk Density:</b>	NO DATA	<b>Refractive Index:</b>	NO DATA
<b>Odor Threshold:</b>	NO DATA	<b>Optical Rotation:</b>	NO DATA
<b>Volatile%:</b>	NO DATA	<b>Miscellaneous Data:</b>	NO DATA
<b>VOC Content:</b>	NO DATA	<b>Solubility:</b>	NO DATA
<b>Water Content:</b>	NO DATA		

#### Section X – Stability and Reactivity

**STABILITY:** Stable under recommended transport and storage conditions.

**INCOMPATIBILITIES:** Heat and moisture. Strong acids/alkalis, strong oxidizing/ reducing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Nature of decomposition products not known.

**HAZARDOUS POLYMERIZATION:** No evidence for polymerization.

Page 3 of 5



**Cell Sciences®**  
65 Parker Street  
Unit 11  
Newburyport, MA 01950

Toll Free: 888 769-1246  
Phone: 978-581-1070  
Fax: 978-992-0298

E-mail: [info@cellsciences.com](mailto:info@cellsciences.com)  
Web Site: [www.cellsciences.com](http://www.cellsciences.com)

## MATERIAL SAFETY DATA SHEET

**EXEMPT**

### Recombinant Human Tissue Plasminogen Activator, Active

#### *Section XI – Toxicological Information*

**Acute toxicity:** Classification criteria are not met based on available data.

**Skin irritant effect:** Classification criteria are not met based on available data.

**Eye irritant effect:** Classification criteria are not met based on available data.

**Sensitization:** Classification criteria are not met based on available data.

**Mutagenicity:** Classification criteria are not met based on available data.

**Carcinogenicity:** Classification criteria are not met based on available data.

**Reproductive toxicity:** Classification criteria are not met based on available data.

**Additional toxicological information:** When used and handled according to specifications, the product does not have any harmful effects according to available information.

---

#### *Section XII – Ecological Information*

No data.

---

#### *Section XIII – Disposal Considerations*

##### **APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION**

Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state, and local environmental regulations.

---

#### *Section XIV – Transport Information*

**UN Number:** Does not meet the criteria for classification as hazardous for transport.

**DOT regulations:** Hazards class: None.

**Land transport ADR/RID (cross-border):** Not regulated.

**Maritime transport IMDG:** Not regulated.

**Marine pollutant:** No.

**Air transport ICAO-TI and IATA-DGR:** Not regulated.

**Transport/Additional information:** Not dangerous according to the above specifications.



## MATERIAL SAFETY DATA SHEET

**EXEMPT**

### Recombinant Human Tissue Plasminogen Activator, Active

#### *Section XV - Regulatory Information*

##### **US CLASSIFICATION AND LABEL TEXT**

Does not meet the classification for hazardous transport.

##### **UNITED STATES REGULATORY INFORMATION**

**TSCA (Toxic Substances Control Act):** This product is not listed.

**SARA 313:** This product is not listed.

**SARA 311/312 Hazards:** None known.

**CERCLA Reportable Quantity:** Unknown.

**California Proposition 65:** This product is not listed on California's listing of known or potential carcinogens.

---

#### *Section XVI – Other Information*

##### **DISCLAIMER:**

Not for Human Use. For Research Only. Not for Diagnostic or Therapeutic Use.

##### **WARRANTY:**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Cell Sciences® shall not be held liable for any damage resulting from handling or from contact with the above product.

Revision: 21 February 2017

Approved by: Amanda Flies  
Technical Support Scientist

