

MATERIAL SAFETY DATA SHEET

PAGE #: 1 OF 4

PRODUCT NAME: Plasminogen, Human Plasma

MSDS NUMBER:

PRODUCT CODE: 16-16-161200

MSDS DATE: 04/15/2010

KEY NUMBER:

EMERGENCY PHONE #'s: 706-546-0207

Athens Research & Technology

110 Trans Tech Drive

Athens, GA 30601-1600

Telephone: 706-546-0207, Fax 706-546-7395

HEALTH

Normal material

FIRE

0 Will Not Burn

REACTIVITY

0 Stable

SPECIFIC

1. IDENTIFICATION

See Addendum:

Ref. PAGE:

Chemical Name: Plasminogen

Chemical Family: human source material

CAS #: 9001-91-6

Chemical Formula: N/A

CAS Name:

Molecular Weight:

Synonyms / Common Name: Plasminogen

DOT Information: Not controlled

2. PHYSICAL DATA

See Addendum:

Ref. PAGE:

Appearance: Solid, lyophilized

Color: Not available

State:

Odor Characteristics: N/A

pH: 7.5

Viscosity: N/A

Specific Gravity (Water = 1): N/A

Vapor Density (Air = 1): N/A

Vapor Pressure: N/A

Melting Point: N/A

Boiling Point: N/A

Flash Point: N/A

Freezing Point: N/A

Percent Volatility: N/A

Evaporation Rate (BAC = 1): N/A

Solubility in Water: N/A

Solubility in Oil: N/A

Solubility in Acetone: N/A

3. INGREDIENTS

See Addendum:

Ref. PAGE:

Material / Components

CAS #:

CAS Name

TLV Units

Approx. %

4. FIRE AND EXPLOSION HAZARD DATA

See Addendum:

Ref. PAGE:

Flash Point: N/A

Flammable Limits in Air % by volume: Lower N/A
Upper

Extinguishing Media: Use extinguishing media appropriate to surrounding fire conditions.

Special Fire Fighting Procedures: Wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Unusual Fire & Explosion Hazards: Emits toxic fumes under fire conditions.

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5. HEALTH HAZARD DATA

See Addendum:

PAGE #:

Threshold Limit Value:

Effects of Overexposure:

Inhalation: Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.

Skin Contact: May cause skin irritation.

Eye Contact: May cause eye irritation.

Ingestion: May be harmful if swallowed.

Delayed Effects: Not known.

Medical Conditions Aggravated by Exposure The toxicological properties have not been thoroughly investigated.

6. FIRST AID MEASURES

See Addendum:

PAGE #:

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Skin Contact: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of material are swallowed, call a physician immediately.

NOTES TO PHYSICIAN:

7. REACTIVITY DATA

See Addendum:

PAGE #:

Stability: Stable

Incompatibility: Not available.
(materials to avoid)

Hazardous Combustion or Decomposition Products Nature of decomposition products not known.

Hazardous Polymerization: Will not occur.

Conditions to Avoid:

8. SPILL OR LEAK PROCEDURES

See Addendum:

PAGE #:

Actions to take for Leaks & Spills Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Waste Disposal Method: Disposal should be made in accordance with existing disposal practices employed for infectious waste at your institution.

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9. SPECIAL PROTECTION INFORMATION

See Addendum: **Ref. PAGE:**

Respiratory Protection: Use respirators and components tested and approved under appropriate government standards.

Eye Protection: Safety glasses.

Skin Protection: Lab Coat

Other Clothing: Compatible chemical-resistant gloves.

Other Equipment:

Engineering Controls: Safety shower and eye bath.

10. HANDLING AND STORAGE

See Addendum: **Ref. PAGE:**

Special Precautions: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Other Precautions: Do not store above -20oC (-4oF).

11. REGULATORY INFORMATION

See Addendum: **Ref. PAGE: 4**

Workplace Classification:

12. TOXICOLOGICAL INFORMATION

See Addendum: **Ref. PAGE:**

Acute Data: Not available. Product is not listed in the Registry of Toxic Effects of Chemical Substances.

**Reproductive /
Teratology Data** Not available.

13. ECOLOGICAL INFORMATION

See Addendum: **Ref. PAGE:**

Fate in the Environment: Not available.

14. DISPOSAL CONDITIONS

See Addendum: **Ref. PAGE:**

Procedures: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

15. TRANSPORTATION INFORMATION

See Addendum: **Ref. PAGE:**

DOT Classification: This substance is considered to be non-hazardous for transport. Non-hazardous for air transport.

Warning Labels: None

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16. OTHER INFORMATION

To the best of our knowledge, the above information is believed to be correct but does not purport to be all inclusive. It shall be used only as a guide for experienced personnel. Prepared from plasma shown to be non-reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by currently approved FDA methods. This product is a laboratory reagent. It is not to be administered to humans or used for any drug purpose. For research use only. Athens Research & Technology shall not be held liable for any damage resulting from handling or from contact with the above product.

11. REGULATORY INFORMATION - Ref. Pg. 3

EU Regulations: This product is not classified according to the EU regulations. SARA Listed: No. CANADA Regulations: Not controlled under WHMIS.