



Material Safety Data Sheet For Research Use Only Plasma Products

PRODUCT AND COMPANY INFORMATION

Supplier: Affinity Biologicals Inc.
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Product Name: Fibrinogen Deficient Plasma, Factor II Deficient Plasma, Factor V Deficient Plasma, Factor VII Deficient Plasma, Factor VIII Deficient Plasma, von Willebrand Factor Deficient Plasma, Factor IX Deficient Plasma, Factor X Deficient Plasma, Factor XI Deficient Plasma, Factor XII Deficient Plasma, Kininogen Deficient Plasma, Prekallikrein Deficient Plasma, Factor XIII Deficient Plasma, Protein C Deficient Plasma, Protein S Deficient Plasma, Antithrombin Deficient Plasma, Antithrombin & Heparin CoFactor II Deficient Plasma, Heparin CoFactor II Deficient Plasma, Protein C Inhibitor Deficient Plasma, α_2 -Antiplasmin Deficient Plasma, C1 Inhibitor Deficient Plasma, Apolipoprotein Deficient Plasma, Plasminogen Deficient Plasma, TAFI Deficient Plasma, Plasminogen Activator Inhibitor type I Deficient Plasma, Low Fibrinogen Control Plasma, High Fibrinogen Control Plasma, Factor II Inhibitor Plasma, Factor V Inhibitor Plasma, Factor VII Inhibitor Plasma, Factor VIII Inhibitor Plasma, Factor IX Inhibitor Plasma, Factor X Inhibitor Plasma, Factor XI Inhibitor Plasma, Factor XII Inhibitor Plasma, VisuCal Antigen Calibrator Plasma

Catalogue Number: Frozen Plasmas: FG-DP, FII-DP, FV-DP, FVII-DP, FVIII-DP, VWF-DP, FIX-DP, FX-DP, FXI-DP, FXII-D, KN-DP, PK-DP, FXIII-DP, PC-DP, PS-DP, ATIII-DP, ATHC-DP, HCII-DP, PCI-DP, A2AP-DP, C1INH-DP, APOH-DP, PG-DP, TAFI-DP, PAI-DP, LFG-CP, FG-CP, INH2-DP, INH5-DP, INH7-DP, INH8-DP, INH9-DP, INH10-DP, INH11-DP, INH12-DP,
Lyophilized Plasmas: VWF-LDP, KN-LDP, PK-LDP, FXIII-LDP, PC-LDP, PS-LDP, ATIII-LDP, ATHC-LDP, HCII-LDP, PCI-LDP, A2AP-LDP, C1INH-LDP, APOH-LDP, PG-LDP, TAFI-LDP, PAI-LDP, INH2-LDP, INH5-LDP, INH7-LDP, INH8-LDP, INH9-LDP, INH10-LDP, INH11-LDP, INH12-LDP, EIACSA-1, EIACSA-5

Product use: For research use only

HAZARDOUS INGREDIENTS

Chemical Name: Human Source Plasma
Hazards identification: Products derived from human plasma are potentially biohazardous material. Handle with caution as if capable of transmitting infectious agents.
CAS registry number: Not applicable
LD₅₀ (species and route): Not applicable
LC₅₀ (species and route): Not applicable

HAZARDS IDENTIFICATION

POSSIBLE BIOHAZARD. Although this material was prepared with plasma collected from donors screened for CJD and which was tested at source and found non-reactive for HBsAg, negative for HCV, HIV-1/2(rDNA), HIV-1 antigen and STS by FDA approved tests, it should be handled by personnel trained in the proper procedures for handling potential viral contaminants. All wastes should be properly labeled and disposed of according to all international, national and local regulations.

FIRST AID MEASURES

Eye and Skin Contact: In case of contact, immediately wash with soap and copious amounts of water. Consult a physician.
Inhalation: Not available
Ingestion: Drink a moderate amount of water and immediately notify medical personnel.

FIRE OR EXPLOSION DATA

Conditions of flammability: Not combustible

Means of extinction - suitable: Use extinguishing media appropriate for surrounding fire conditions

Means of extinction - not suitable: Not available

Protective Equipment: When extinguishing fires use breathing apparatus with an independent source of air

Upper flammable limit: Not available

Lower flammable limit: Not available

Auto-ignition temperature: Not available

Hazardous combustion products: Not available

Explosion data-sensitivity to mechanical impact: Not available

Explosion data-sensitivity to static charge: Not available

ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear protective equipment.

Procedure to be followed in case of leak or spill: Wear protective equipment. Collect or absorb onto an inert material. Place in suitable container for prompt disposal. Label the container as to the potential hazard (viral). Spill areas can be decontaminated with 0.5% sodium hypochlorite, e.g. a 1:10 dilution of common household bleach, i.e., Chlorox, that is prepared fresh each month.

HANDLING AND STORAGE

Handling procedures and equipment: Wear gloves. Avoid breathing dust or aerosols. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container closed when not in use.

Storage requirements: **Frozen:** Store at -60 °C or lower. **Lyophilized:** Store at 2-8 °C.

EXPOSURE CONTROLS / PERSONAL PROTECTION

Specific engineering controls to be used: Not specified

Personal protective equipment to be used:

Eye: Wear safety goggles (or full face-shield) depending on risk of splashes;

Skin: Wear lab coat and gloves of plastic or rubber when risk of contact

Respiratory: None specified

PHYSICAL AND CHEMICAL PROPERTIES

Physical state: **Frozen:** Should be in frozen state until use. Thaw to liquid prior to use.

Lyophilized: Solid. Should be reconstituted prior to use.

Odour & appearance: **Frozen:** Yellowish, translucent. **Lyophilized:** Pale yellow

Odour threshold: Not available

Specific gravity: Not available

Vapour Pressure: Not available

Vapour density: Not available

Evaporation rate: not available

Boiling point: not available

Freezing point: Not available

PH: Not available

Coefficient of water/oil distribution: Not available

REACTIVITY DATA

Conditions under which the product is chemically unstable: Product is stable

Incompatibilities: None known

Conditions of reactivity: None known

Hazardous decomposition products: None known

TOXICOLOGICAL PROPERTIES

Route of entry: Include skin absorption, inhalation and ingestion

Effects of acute exposure to product: May cause irritation. Potential vial infection. Although this material was prepared with plasma collected from donors screened for CJD and which was tested at source and found non-reactive for HBsAg, negative for HCV, HIV-1/2(rDNA), HIV-1 antigen and STS by FDA approved tests, it should be handled by personnel trained in the proper procedures for handling potential viral contaminants.

Effects of chronic exposure to product: The chemical, physical and toxicological properties have not been thoroughly investigated

Exposure limits: Not available

Irritancy of product: see above

Sensitization to product: Not available

Carcinogenicity: Not available

Reproductive toxicity: Not available

Teratogenicity: Not available

Mutagenicity: Not available

Name of toxicologically synergistic products: Not available

ECOLOGICAL INFORMATION

No data available.

DISPOSAL CONSIDERATIONS

Waste disposal: Autoclave at 121 degrees C or higher for 40 minutes or longer. Label the container with the hazard that was present. Dispose of by means that comply with all local, state and federal regulations.

TRANSPORT INFORMATION

Special shipping information: Frozen: Ship frozen on dry ice.

Lyophilized: Ship at ambient or 2-8 °C.

REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations* and the MSDS contains all the information required by the *Controlled Products Regulations*.

OTHER INFORMATION

The above statements are provided for informational use only and are believed to be correct. Affinity Biologicals Inc. shall not in any event be liable for incidental, consequential, third party or special damages of any kind resulting from any handling, use or failure of the products or above information.

Prepared at Affinity Biologicals by the Operations department using MSDS data from supplier of raw material. Address any questions to Affinity Biologicals at (800) 903-6020.

Date of preparation of the MSDS: January 20, 2009

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