

# MATERIAL SAFETY DATA SHEET

**Product Name:**

alpha2-Antiplasmin, Antithrombin, beta2-Glycoprotein, Corn Trypsin-Inhibitor, Factor II, Factor VII, Factor IX, Factor X, Factor Xa, Factor XI, Factor XIa, Factor XII, Factor XIIa, Factor XIII, Factor XIIIa, Fibrinogen, Fibronectin, Glycoprotein, Kallikrein, HMW Kininogen, Plasmin, Plasminogen, Platelet Lysate 4, Protein C, Protein S, Protein Z, Prothrombin (Factor II), Thrombin, Thrombin Inhibitor

**Product Reference:**

CTI, HA2AP, HAPC, HAPC-GD, HAPCI, HAPO-H, HAT, HF2, HF2A, HF2AI, HF2F1, HF2F2, HF2-GD, HF7, HF7A, HF7AI, HF9, HF9AB, HF9AI, HF10, HF10A, HF10AB, HF10AI, HF10-GD, HF11, HF11A, HF12, HF12A, HF12AB, HF13, HF13A, HFG1, HFG2, HFG3, HFN, HFPG1, HFPG2, HGP2B3A, HGT, HHMWK1, HHMWK2, HKAL, HPC, HPC-GD, HPF4, HPGG, HPGL, HPLAS, HPS, HPZ.

## MATERIAL SAFETY DATA SHEET

### ENGLISH

#### SECTION 1: PRODUCT & COMPANY IDENTIFICATION

##### 1.1 Product identifier

Please see page 1.

##### 1.2 Relevant identified uses of the substance or mixture and uses advised against

For in vitro research use only.

##### 1.3 Details of the manufacturer and supplier of the safety data sheet

CoaChrom Diagnostica GmbH  
Hauptstrasse 5  
2344 Maria Enzerdorf  
Austria  
Phone: +43-1-2362221  
Fax: +43-1-236222111  
E-mail address: info@coachrom.com

##### 1.4 Emergency telephone number

Phone: +43-1-2362221

#### SECTION 2: HAZARDS IDENTIFICATION

##### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]: Not classified.

Adverse physicochemical, human health and environmental effects:

Human plasma was tested and found negative by FDA accepted methods for Anti-HIV 1/2, Anti-HTLV I & II, HBsAg, Anti-HCV, Syphilis, HBC Ab, HIV-1 p24 Ag or HIV-1 RNA, HCV RNA and HBV RNA. Donors are screened for CJD (Creutzfeld-Jakob Disease). Nevertheless, it should be handled by personnel trained in the proper procedures for handling potential viral contaminants.

##### 2.2 Label elements

Not applicable.

##### 2.3 Other Hazards

No additional information available.

#### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

##### 3.1 Substances

Not applicable.

##### 3.2 Mixtures

###### Hazardous ingredients:

Name of the constituents	CAS / EG / REACH	Classification of the substance according to 1272/2008 (CLP)	Concentration
Human Protein	Not classified	Not classified	>99%

##### 3.3 Other information

Do not inject or ingest.

This product contains material of animal origin and should be considered as potentially capable of transmitting infectious diseases. The preparation contains material of human origin which has been tested and found negative for HBSAg, anti-HIV and HCV. As with all materials of human origin, this product should be regarded as potentially hazardous to health. Therefore, it should be handled in compliance with appropriate laboratory safety procedures to minimize the risk of transmitting infectious pathogens.

#### SECTION 4: FIRST AID MEASURES

##### 4.1 Description of first aid measures

###### General information

If symptoms develop or when in doubt, seek medical attention (show this safety data sheet). Never give anything by mouth to an unconscious person. Do not leave victim unattended.

#### **After inhalation**

IF INHALED: Remove victim to fresh air. Keep warm and at rest. If irritation occurs, seek medical attention.

#### **After skin contact**

SKIN CONTACT: Wash off immediately with plenty of soap and water. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. If skin reaction occurs, seek medical attention.

#### **After eye contact**

EYE CONTACT: Rinse immediately with plenty of water for at least 15 minutes holding the eyelids open. If possible, remove contact lenses. Continue to rinse. Seek medical attention preferably an ophthalmologist.

#### **After ingestion**

INGESTION: get immediately medical attention. Do not induce vomiting. Never give anything by mouth to an unconscious person.

#### **4.2 Most important symptoms and effects, both acute and delayed**

May cause irritation. Potential viral infection.

#### **4.3 Indication of any immediate medical attention and special treatment needed**

Notes to physician: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Specific treatments: No specific treatment.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training.

### **SECTION 5: FIREFIGHTING MEASURES**

#### **5.1 Extinguishing media**

##### **Suitable extinguishing media**

Product itself is non-combustible; adapt fire-extinguishing measures to surrounding areas.

##### **Unsuitable extinguishing media**

Water spray.

#### **5.2 Special hazard arising from the substance or mixture**

In the event of fire, the following can be released: Carbon dioxide (CO<sub>2</sub>); Carbon monoxide (CO).

#### **5.3 Advice for firefighters**

In the event of a fire: Wear protective equipment. Self-contained breathing apparatus.

Do not allow extinguishing water to enter sewerage or any water course. Do not breathe fire/explosion fumes.

### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

#### **6.1 Personal protections, protective equipment and emergency procedures**

Refer to protective measures listed in section 7 and 8. Avoid contact with skin, eyes and clothing

Avoid dust formation. Do not breathe gas/mist/vapors.

#### **6.2 Environmental precautions**

Prevent further spillage if safe. Do not allow product to enter drains or any water course. Avoid release to the environment.

#### **6.3 Methods and material for containment and cleaning up**

Do not place spilled material back in the original container. Collect spilled material with absorbent material. Clean contaminated surfaces and devices in compliance with all applicable legal requirements and regulations. Transfer to suitable, closed and labelled containers for storage/disposal.

### **SECTION 7: HANDLING AND STORAGE**

#### **7.1 Precautions for safe handling**

##### **Advice on safe handling**

For safe product handling, select and apply appropriate prevention and control measures that will reduce to a minimum the intrinsic risk hazard. Design and operate processes, insofar as the state of technology permits, in such a way that dangerous substances may not be released / contact with the skin can be ruled out.

##### **General protective and hygiene measures**

Do not eat, drink or smoke during work time. Keep away from food, drink and animal feeding stuffs. Wash hands and skin before breaks and after work. Do not inhale vapors. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately.

##### **Advice on protection against fire and explosion**

No special measures necessary.

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

##### **Technical measures and storage conditions**

Keep container tightly closed in a cool, well-ventilated place.

##### **Incompatible materials**

No data available.

#### **Recommended storage temperature**

Store according to printed information on vial and certificate of analysis. All frozen items are stored at -60 to -80°C. All lyophilized proteins are stored at 2°C to 8°C. All glycerol containing proteins are stored at -10°C to -20°C. Containers which are opened must be carefully closed and kept upright to prevent leakage.

#### **7.3 Specific end uses**

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

## **SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION**

### **8.1 Control parameters**

#### **Occupational exposure limit values**

No data available.

#### **Biological limit values**

No data available

### **8.2 Exposure controls**

#### **Appropriate engineering controls**

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. Any measure taken shall comply with good hygiene practice.

#### **Personal protective equipment**

During product handling, wear appropriate protective clothing in compliance with the applicable rules.

#### **Respiratory protection**

Give preference to operation under a dust extractor. Use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Hand/skin protection**

During handling, wear appropriate protective gloves. Prior to use, check in any case suitability of protective glove for the specific workplace conditions. 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.

Protective gloves must be tested and approved under EN 374 standard.

Replace protective gloves immediately when they become worn and damaged.

#### **Eye / face protection**

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

#### **Body protection**

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

#### **Other**

No data available.

#### **Environmental exposure controls**

Prevent further spillage/release of material if safe. Do not allow product to enter drains or any water course. Avoid release to the environment.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

### **9.1 Information on basic physical and chemical properties**

<b>Property</b>			
<b>Appearance</b>	Frozen	Lyophilized	Liquid/Glycerol
<b>Color</b>	Clear to opaque	White/Yellow	Clear to opaque
<b>Odour</b>	ND	ND	ND
<b>pH value</b>	ND	ND	ND
<b>Boiling point</b>	ND	ND	ND
<b>Melting point</b>	ND	ND	ND
<b>Decomposition point</b>	ND	ND	ND
<b>Flash point</b>	ND	ND	ND
<b>Auto-ignition temperature</b>	ND	ND	ND
<b>Oxidising properties</b>	ND	ND	ND

<b>Explosive properties</b>	ND	ND	ND
<b>Flammability</b>	ND	ND	ND
<b>Lower flammability or explosive limits</b>	ND	ND	ND
<b>Upper flammability or explosive limits</b>	ND	ND	ND
<b>Vapour pressure</b>	ND	ND	ND
<b>Vapour pressure</b>	ND	ND	ND
<b>Vapour density</b>	ND	ND	ND
<b>Evaporation rate</b>	ND	ND	ND
<b>Relative density</b>	ND	ND	ND
<b>Solubility</b>	ND	ND	ND
<b>Solubility in water</b>	ND	ND	ND
<b>Partition coefficient: n-octano/water viscosity</b>	ND	ND	ND
<b>Other information</b>	ND	ND	ND

ND: No data available.

## **9.2 Other information**

No data available.

## **SECTION 10: STABILITY AND REACTIVITY**

### **10.1 Reactivity**

No dangerous reactions known if handled in compliance with applicable provisions/under normal conditions of use.

### **10.2 Chemical stability**

The preparation is stable if handled and stored as recommended under section 7.

### **10.3 Possibility of hazardous reactions**

None if used for the intended purpose.

### **10.4 Conditions to avoid**

None if used for the intended purpose.

### **10.5 Incompatible materials**

None known.

### **10.6 Hazardous decomposition products**

None if used for the intended purpose.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **11.1 Information on toxicological effects**

<b>Effects</b>	
<b>Acute oral toxicity</b>	ND
<b>Acute dermal toxicity</b>	ND
<b>Acute inhalational toxicity</b>	ND
<b>Skin corrosion/irritation</b>	ND
<b>Serious eye damage/eye irritation</b>	ND
<b>Respiratory or skin sensitisation</b>	ND
<b>Germ cell mutagenicity</b>	ND
<b>Reproductive toxicity</b>	ND
<b>Carcinogenicity</b>	ND
<b>Specific target organ toxicity:</b> - Single exposure - Repeated exposure	ND
<b>Aspiration hazard</b>	ND

ND: No data available.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

Toxicity	
<b>Fish toxicity</b> - Acute - Chronic	ND
<b>Daphnia toxicity</b> - Acute - Chronic	ND
<b>Algae toxicity</b> - Acute - Chronic	ND
<b>Bacteria toxicity</b> - Acute - Chronic	ND

ND: No data available.

### 12.2 Persistence and degradability

No data available.

### 12.3 Bio-accumulative potential

No data available.

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

Assessment	
<b>PBT assessment</b>	ND
<b>vPvB assessment</b>	ND

ND: No data available.

### 12.6 Other adverse effects

No data available.

### 12.7 Other information

Do not discharge product unmonitored into the environment.

## SECTION 13: WASTE DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### **Product**

Dispose of waste in compliance with national rules and consultation with environmental services. The waste code is established in consultation with your regional waste disposer.

#### **Packaging**

Empty properly packaging. Completely emptied packaging or practically empty packaging containing residues shall be disposed of properly in consultation with your regional waste disposer.

## SECTION 14: TRANSPORT INFORMATION

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

## SECTION 15: REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### **EU regulations**

This MSDS file is comply to the requirements described on the Regulation (EC) No 1907/2006 (REACH) and 1272/2008 (CLP).

### 15.2 Chemical safety assessment

No data available.

## SECTION 16: OTHER INFORMATION

### 16.1 Key literature references and sources for data

Regulation EC 1907/2006(REACH), Regulation (EC) 1272/2008 (CLP) its current version.

Regulations concerning the International Carriage of Dangerous Goods according to ADR, RID, IMDG, IATA in their current version.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section of this SDS.

The above information is based on our present-day knowledge and experience. The information provided above is not a technical specification and does not guarantee any properties or performance and does not represent any contractual relationship.

CoaChrom Diagnostica and its appointed agents/distributors or OEM contractors shall not be held liable for any damage resulting from or from contact with the products included in the kit.

### **16.2 Abbreviations and acronyms**

ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road

CLP: European Regulation on Classification, Labelling and Packaging of Substances and Mixtures

CMR : cancerogen mutagen reprotoxic

IATA-DGR: International Air Transport Association - Dangerous Goods Regulations

IMDG: International Maritime Dangerous Goods code

NIOSH: National Institute for Occupational Safety and Health (NIOSH) in the U.S.

PBT: Persistent, Bioaccumulative, Toxic

ReaCH: European Union Regulation on Registration, Evaluation, Authorisation and restriction of CHemicals

RID: International Rule for Transport of Dangerous Substances by Rail

vPvB: very Persistent, very Bioaccumulative