	Material Safety Data Sheet (In Accordance with REACH regulation (EC) N° 1907/2006)	
Date: 23.09.2025		Version: 1

Title: uPA, human (Urokinase Plasminogen Activator) 100.000 IU

SECTION 1: IDENTIFICATION OF THE SUBSTANCE /MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Product name: uPA, human (Urokinase Plasminogen Activator) 100.000 IE

Product reference N°: EZ005-CC

CAS-No.: 9039-53-6

1.2 Relevant Identified uses of the substance or mixture and uses advised against

For research use only. Any non-intended usage is prohibited.

1.3 Details of the Supplier of the Material Safety Data Sheet

Company name: CoaChrom Diagnostica GmbH

Address: Hauptstrasse 5, 2344 Maria Enzersdorf AUSTRIA

Contact information for (name of company)

Email: info@coachrom.com

Internet: www.coachrom.com

Tel: +43-1-236 222 1

1.4 Emergency telephone number: 112 (European emergency number)

SECTION 2 : HAZARDS IDENTIFICATION

Global Harmonized System (GHS)

The substance is not classified according to the Globally Harmonized System (GHS)
Hazards not otherwise classified. No information known.

GHS Label elements

Not applicable


Pictogram

Not applicable

Classification according to Regulation (EC) No. 1272/2008 (CLP)

Respiratory sensitization (category 1)

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

Not applicable.

Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at

levels of 0.1% or higher.

Ecological information:

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation

(EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information:

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation

(EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.


SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1 SUBSTANCE

Not applicable.

3.2 MIXTURES

Chemical Name	Cas N°	EC N°	Concentration %	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Urokinase (enzyme-activating)	9039-53-6	232-917-9	>= 10%	H334- May cause allergy or asthma symptoms or

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Mannitol	69-65-8		40-80%	breathing difficulties if inhaled.
PEG 6000	25322-68-3		10-40%	NA
				NA

A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) No 1907/2006, or the annual tonnage does not require a registration.

SECTION 4 : FIRST AID MEASURES

4.1 Description of First-aid Measures

First-aid Measures After Inhalation:

Go into open air and ventilated suspected area. Keep at rest. In case of respiratory tract irritation, consult a physician.

First-aid Measures After Skin Contact:

Remove contaminated clothing. Wash with plenty of soap and water. In case of skin irritation, obtain medical treatment.

First-aid Measures After Eye Contact:

Rinse cautiously with flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do so. Afterwards, get medical advice.

First-aid Measures After Ingestion:

Drink one to two glasses of water immediately. Do not induce vomiting. Obtain immediate medical attention.

4.2 Most Important Symptoms and Effects Both Acute and Delayed


The most important known symptoms and effects are described in the labelling (see section

2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed.

No information available

SECTION 5 : FIRE-FIGHTING MEASURES

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5.1 Extinguishing media

Suitable Extinguishing Media

Carbon dioxide (CO₂). Dry extinguishing powder. Alcohol resistant foam. Atomized water.

Unsuitable extinguishing media

No information available.

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon oxides, nitrogen oxides (NO_x), hydrogen chloride gas, Sodium oxides, mixture with combustible ingredients.

5.3 Advice for firefighters

Usual measures for fire prevention.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Do not get in eyes, on skin, or on clothing. Dust formation to be avoided. No smoking. Do not breathe the dust. Use appropriate personal protective equipment (PPE).

6.2 Environmental precautions

Discharge into the environment must be avoided.

6.3 Methods and material for containment and cleaning up


Contain any spills with absorbent to prevent migration. Isolate spill or leak area in all directions.

SECTION 7 : HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on Safe Handling and hygiene measures

Do not handle until all safety precautions have been read and understood. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not get in eyes, on skin, or on clothing. Do not breathe mist, spray, vapors. Handle empty containers with care because they may still present a hazard. Use appropriate personal protective equipment (PPE).

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7.2 Conditions for Safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep the container tightly closed. Put in a cool, dry, and well-ventilated place. Keep away from strong direct light and heat.

Advice on storage compatibility

Storage class (TRGS 510): 11: Combustible Solids

Recommended storage temperature

2-8°C until the expiration date printed on the label

SECTION 8 : EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limit values

No available data

Biological limit values

No available data

8.2 Exposure controls

Appropriate engineering controls

Adequate ventilation is required especially in closed area.

Personal Protective Equipment

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


Protective gloves must be compliant with the specifications of EU Directive 89/686/EEC and be

in accordance with the standard EN374. Selection of the glove material on consideration of the

penetration times, rates of diffusion and the degradation.

Protective goggles must be compliant with the specifications of Directive 89/686 / EEC and be in

accordance with the standard EN166.

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When using the product do not eat, drink, smoke, and sniff. Wash hands before breaks and after work.

Respiratory protection

Wear respirators and components tested under appropriate government standards in case of insufficient ventilation.

Environmental exposure controls

Do not let product enter drains. Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

PROPERTIES	
Appearance	LYOPHILISED SOLID
Color	ND
Odour	ND
pH value	ND
Melting point	ND
Boiling point	ND
Flash point	NA
Sustaining combustion	ND
Explosive properties	ND
Oxidizing properties	ND
Water solubility	ND
Flow time	ND
Vapour density	ND
Evaporation rate	ND
Solvent separation test	ND
Viscosity	ND

Legend: NA (not applicable), ND (not determined/no data available)


9.2 Further information

No information available

SECTION 10 : STABILITY AND REACTIVITY

10.1 Reactivity

The following applies in general to flammable organic substances and mixtures: in

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correspondingly fine distribution, may generally be assumed when whirled up a dust explosion potential.

10.2 Chemical stability.

Stable At 2 to 8°C, in the lyophilized form, stable until the retest date indicated on the label.

When restored: 24 hours at room temperature (18-25°C). 72 hours at 2-8°C. 2 months at -20°C or below.

10.3 Possibility of hazardous reactions

Violent reactions possible with: Strong oxidizing agents, strong acids, strong alkalis

10.4 Conditions to avoid.

No available information.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products


In event of fire: see section 5

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

EFFECTS	
Acute oral toxicity	ND
Acute dermal toxicity	ND
Acute inhalational toxicity	ND
Skin corrosion/irritation	ND
Serious eye damage/eye irritation	ND
Respiratory or skin sensitisation	ND
Germ cell mutagenicity	ND
Reproductive toxicity	ND
Carcinogenicity	ND
Specific target organ toxicity : - Single exposure - Repeated exposure	ND
Aspiration hazard	ND
Specific effects in experiment on an animal	ND

Legend: NA (not applicable), ND (not determined/no data available)

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11.2 Additional Information

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 12 : ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity	
Fish toxicity - Acute - Chronic	ND
Daphnia toxicity - Acute - Chronic	ND
Algae toxicity - Acute - Chronic	ND
Bacteria toxicity - Acute - Chronic	ND

Legend: NA (not applicable), ND (not determined/no data available)

12.2 Persistence and degradability

No available information.

12.3 Bioaccumulative potential

No information available

12.4 Mobility in soil


No information available.

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated

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regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 13 : DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

No available information.

SECTION 14 : TRANSPORT INFORMATION

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

14.5 Environmental Hazards

No available information.

14.6 Special Precautions for User

Not applicable.

SECTION 15 : REGULATORY INFORMATION

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

EU regulations

2010/75/EU (VOC):

No information available.

2004/42/EC (VOC):

No information available.

Information according to 2012/18/EU (SEVESO III):

No information available.

Further information


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 data sources

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This data safety sheet is according to the current version of Regulation EC 1907/2006(REACH), Regulation (EC) 1272/2008 (CLP). The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section of this SDS.

The above information describes exclusively the safety requirements of the product and based on our present-day knowledge and experience. The information mention above is intended to provide advices of safety handling of the product for storage, processing, transport and disposal, etc. This information is only intended for this product and not transferable to other products. Mixing this product with other products or in case of processing, the information on this safety data sheet is no longer valid for a new processed material.

CoaChrom Diagnostica GmbH and its appointed agents/distributors will not be held liable for any damage(s) 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

CAS: Chemical Abstracts Service

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

CMR: Carcinogenic, Mutagenic or Toxic to Reproduction

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

IMDG: International Maritime Code for Dangerous Goods

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

NTP: National Toxicology Program

PBT: Persistent Bio-accumulative, Toxic

REACH: Union European Regulation on Registration, Evaluation, Authorization and Restriction of Chemicals

vPvB: Very Persistent, Very Bio-accumulative