

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Trade name: Aprotinin for biochemistry**

**Article number: 1278**

**CAS Number: 9087-70-1**

**EC number: 232-994-9**

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

No further relevant information available.

### 1.3. Application of the substance / the preparation

- Biochemistry

### 1.4. Details of the supplier of the safety data sheet

**Manufacturer/Supplier:**

neoFroxx GmbH

Marie-Curie-Str. 3

D-64683 Einhausen

[info@neofroxx.com](mailto:info@neofroxx.com)

**Further information obtainable from:**

Dep. Quality Control

### 1.5. Emergency telephone number

+49 (6251) 989 24 - 0 (during normal business hours)

## 2. Hazards identification

### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008**

The substance is not classified according to the CLP regulation.

**Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

Not applicable.

### 2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008: Void

**Hazard pictograms:** Void

**Signal word:** Void

**Hazard statements:**

Safety data sheet available on request.

### 2.3. Other hazards

**Results of PBT and vPvB assessment**

PBT: Not applicable.

vPvB: Not applicable

## 3. Composition / information on ingredients

### 3.1. Chemical characterization

Substances

**CAS No. Description**

9087-70-1 Aprotinin

**Identification number(s)**

EC number: 232-994-9

## 4. First aid measures

### 4.1. Description of first aid measures

**General information:** No special measures required.

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

**After skin contact:** Immediately wash with water and soap and rinse thoroughly.

**After eye contact:** Rinse opened eye for several minutes under running water.

**After swallowing:**

Rinse out mouth.

If symptoms persist consult doctor.

### 4.2. Information for doctor:

**Most important symptoms and effects, both acute and delayed:**

No further relevant information available.

**Indication of any immediate medical attention and special treatment needed:**

No further relevant information available.

## 5. Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing agents:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**Special hazards arising from the substance or mixture:**

No further relevant information available.

### 5.2. Advice for firefighters

**Protective equipment:** No special measures required

## 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Mount respiratory protective device.

### 6.2. Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

### 6.3. Methods and material for containment and cleaning up:

Absorb with liquid-binding material (AppliSorb).

### 6.4. Reference to other sections

No dangerous substances are released.

## 7. Handling and storage

### 7.1. Handling:

Precautions for safe handling: No special measures required.

Information about fire - and explosion protection: No special measures required.

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

**Storage:**

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: None.

Recommended storage temperature: 2-8°C

Storage class: 10-13

- 7.3. Specific end use(s)  
No further relevant information available.

## 8. Exposure controls / personal protection

Additional information about design of technical facilities: No further data; see item 7.

- 8.1. Control parameters  
Ingredients with limit values that require monitoring at the workplace: Not required.  
Additional information: The lists valid during the making were used as basis.

### 8.2. Exposure controls

#### **Personal protective equipment:**

#### **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Wash hands before breaks and at the end of work.

Respiratory protection:

Required when dusts are generated.

Filter ABEK

#### **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation



Protective gloves

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

#### **Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

#### **Penetration time of glove material:**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

#### **For the permanent contact gloves made of the following materials are suitable:**

Nitrile rubber, NBR

Recommended thickness of the material:  $\geq 0.11$  mm

Value for the permeation: Level  $\geq 480$  min

#### **As protection from splashes gloves made of the following materials are suitable:**

Nitrile rubber, NBR

Recommended thickness of the material:  $\geq 0.11$  mm

Value for the permeation: Level  $\geq 480$  min

**Eye protection:** Safety glasses

## 9. Physical and chemical properties

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

#### General Information

##### Appearance:

Form: Powder

Colour: White

Odour: Characteristic

Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Undetermined.

Flash point: Not applicable.

Danger of explosion: Product does not present an explosion hazard.

Density: Not determined.

Solubility in / Miscibility with water at 20°C: N/A g/l

##### Solvent content:

Organic solvents: 0.0 %

VOC (EC) 0.00 %

### 9.2. Other information

No further relevant information available.

## 10. Stability and reactivity

### Reactivity

### 10.1. Chemical stability

#### Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

**Possibility of hazardous reactions:** No dangerous reactions known.

**Conditions to avoid:** No further relevant information available.

**Incompatible materials:** No further relevant information available

**Hazardous decomposition products:** No dangerous decomposition products known.

## 11. Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity:

##### LD/LC50 values relevant for classification:

Quantitative data on the toxicological effect of this product are not available.

##### Primary irritant effect:

**on the skin:** No irritant effect.

**on the eye:** No irritating effect.

**Sensitization:** No sensitizing effects known.

### 11.2. Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

The substance is not subject to classification according to the latest version of the EU lists

## 12. Ecological information

### 12.1. Toxicity

**Aquatic toxicity:** No further relevant information available.

**Persistence and degradability:** No further relevant information available.

### 12.2. Behaviour in environmental systems:

**Bioaccumulative potential:** No further relevant information available.

**Mobility in soil:** No further relevant information available.

### 12.3. Additional ecological information:

**General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### 12.4. Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

### 12.5. Other adverse effects:

No further relevant information available.

## 13. Disposal considerations

### 13.1. Waste treatment methods

Recommendation Smaller quantities can be disposed of with household waste.

### 13.2. Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

## 14. Transport information

### 14.1. UN-Number

ADR, ADN, IMDG, IATA: Void

### 14.2. UN proper shipping name

ADR, ADN, IMDG, IATA: Void

### 14.3. Transport hazard class(es)

ADR, ADN, IMDG, IATA Class: Void

### 14.4. Packing group

ADR, IMDG, IATA: Void

**Special precautions for user:** Not applicable.

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.

### 14.5. UN "Model Regulation":

UN-, -

## 15. Regulatory information

### 15.1. Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

## 16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)