

# Safety Data Sheet

## according to 91/155/EEC

### 1.) Product identification/preparation/Companyundertaking

Product details:	Styptic and disinfecting
Trade name:	Hämostatikum Al-Cu ohne Anästhetikum
Manufacturer/supplier:	Humanchemie GmbH Hinter dem Krüge 5 D-31061 Alfeld
Emergency information:	Tel.: +495181-24633

### 2.) Composition/information of ingredients

Chemical characterization:	$\text{AlCl}_3 \times 6 \text{H}_2\text{O}$ , $\text{CuCl}_2 \times 2 \text{H}_2\text{O}$ , aqua dest.
Description:	-
Hazardous components:	

CAS-No.:	[7784-13-6]
Name:	$\text{Al Cl}_3 \times 6 \text{H}_2\text{O}$
%:	17 % in weight
R-classification:	Xi, RTECS BD 0530000

CAS-No.:	[10125-13-0]
Name:	$\text{CuCl}_2 \times 2 \text{H}_2\text{O}$
%:	2 % in weight
R-classification:	T, RTECS GL 7000000

### 3.) Hazards identification

Risk identification:	-
Special risks for human beings and environment:	-
Classification:	Classification corresponds to present EEC guidelines, additionally information by literature

### 4.) First-aid measures

General information after skin contact: Wash with plenty of water and soap  
General information after eye contact: Rinse with plenty of water and consult a physician  
General information after swallowing: Seek medical advice immediately

### 5.) Fire fighting measures

Extinguishing media: CO<sub>2</sub>, water  
Protective equipment: -

## 6.) Accidental release measures

Personal precautions: Not necessary  
Environmental precautions: Do not let material come into contact with the environment in a not cured state  
Methods for cleaning up not cured material: Treat it like special-trash

## 7.) Handling and storage

Handling procedures: None by correct handling  
Recommendation for fire and explosion protection: -  
Storage: Store at dry place, at room temperature away from food stuffs  
Requirements at store rooms and containers: Store trays dry  
Requirements for storage with other products: -  
Additional storage conditions: -  
Storage classification: -  
VBF-classification: -

## 8.) Exposure controls/personal protection

Additional information for technical plants: -

### Components with limits of value to be supervised at the workplace

CAS-No.: -  
Name: -  
%: -  
Art: -  
Value: -  
Unit: -  
Additional information: There are no relevant quantities with limits of values to be supervised at the workplace  
Personal protective equipment: Not necessary  
General measures of protection and hygiene: Avoid contact with eyes, skin, normal hygienic measures  
Respiration: Carefully handling  
Hands: Carefully handling  
Eyes: Carefully handling

## 9.) Physical and chemical properties

## Appearance

Form:	Liquid
Colour:	Blue-green
Odour:	Neutral

## Information on change in the physical state (Value,unit,method)

Melting point / melting range:	-
Boiling point / boiling range:	-
Flash point:	-
Autoignation temperature:	-
Danger of explosion:	-
Density:	1,100 g/cm <sup>3</sup> (20 °C)
Vapour pressure:	-
Viscosity:	-
pH:	2
Solubility in / miscibility with:	Water
Water solubility:	-
Content of solvents:	81 % in weight
Organic solvents:	None
Water:	81 % in weight
Content of solids:	19 % in weight

## **10.) Stability and reactivity**

Stability and reactivity:	-
Incompatibility with other substances:	Heat
Hazardous discomposition products:	None by right use

## **11.) Toxicological information**

Acute toxicity:	None toxic
Primary irritaion skin:	Irritating
Eye:	Irritating
Inhalation:	Non volatile
Ingestion:	Possible toxic, when swallowed
Sensitization of product:	Not observed
Additional toxicological information:	During the long period of use no health diseases are reported

## **12.) Ecological information**

### General information

Degrance:	Not determined
Fisch toxicity:	Not determined
Classification of water endangerment:	Not determined
Additional information:	Do not let the not cured product come into contact with the environment

### 13.) Disposal consideration

Recommendation:	Not cured material use proper landfill disposal in accordance with local, state and federal regulations
Disposal key number:	-
Uncleaned packaging:	-

### 14.) Transport information:

Transport information:	Not classified as dangerous goods.
Land transport RID/ADR, GGVS/GGVE:	Not necessary
Ship transport ADN/ADNR:	Not necessary
Sea transport IMDG/GGVSea:	Not necessary
Air transport ICAO-TI and IATA-DGR:	Not necessary

### 15.) Regulatory information

#### Classification according to EEC-guidelines

According to GefStoffV/EG:	No classification necessary to actual EEC-guidelines
Danger symbols:	T, Xi
Danger (R-symbols):	20/21/22-25-36/37/38-41
Security (S-symbols):	22-26-28-36/37/39-38-44-45
National prescriptions:	-

### 16.) Other informations

The above information is based on our present day knowledge and relates solely to the safety requirements of the product. The data do not signify any warranty with regards to products properties. However users of the product should satisfy themselves that the information given above is sufficient and correct for their circumstances of use.

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