PPH CERKAMED

Material Safety Data Sheet ALUSTAT - Haemostatic Liquid

MSDS is prepared in accordance with REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCILof 16 December 2008on classification, labelling and packaging of substances and mixtures, amending and repealingDirectives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

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1 . IDENTIFICATION

MANUFACTURER: **PPH CERKAMED Wojciech Pawłowski**
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2. HAZARDS IDENTIFICATION

Irritant preparation. Irritating to eyes and skin.

Classification according to GHS



WARNING

Hazardous: H315 Irritating to skin.
H319 Irritating to eyes.
Prevention: P305 + P351 + P338 IN CASE OF SKIN CONTACT : wash with soap and water immediately.
IN CASE OF EYE CONTACT: Flush water carefully for few minutes. If applicant and possible, take out contact lenses. Continue flushing.
Storage: P402 Store in a dry place.
P403 Store in a well-ventilated place.

3. COMPONENTS

Name	CAS No.	WE No.	Classification	Concentration [%]
Aluminum Chloride Hexahydrate	7784-13-6	231-208-1	[Xi] R36/38	25
8-Hydroxychinolin Hemisulfate Hemihydrate	207386-91-2	NA	[Xn] R22	0,01

The full wording of R-phrases and symbols can be found in point 16 of this MSDS

4. EMERGENCY FIRST AID PROCEDURES

General information:
Do not give anything by mouth to an unconscious person
After inhalation:
Provide access to fresh air. Call a doctor.
After eye contact:
Immediately flush eyes with plenty of water for at least 10 minutes.
Avoid strong stream of water due to the risk of mechanical damage to the cornea.

If signs of irritating persist, contact your doctor.
After skin contact: Take off contaminated clothing. Rinse skin with plenty of water.
In case of irritation, contact your doctor.
After ingestion: Do not induce vomiting. Give milk to drink. Immediately contact your doctor.

5. FIRE FIGHTING MEASURES

Product not - flammable.

Adequate fire-fighting measures: powders and fire-fighting foam, carbon dioxide.
Fire fighting media prohibited in safety reasons: Not specified.
Special risks: Unknown
Hazardous decomposition products:
Hydrochloric acid fumes.
Special protective equipment : In case of fire, substances harmful to health can be produced. Put on protective gastight clothing and breathing apparatus complete with a full face mask.

6. UNINTENDED RELEASE INTO THE ENVIRONMENT

Individual precautions:
Avoid contact with eyes and skin. Provide for the exchange of air (ventilation).
Proceed in accordance with the principles of safety and health at work with chemicals. Use personal protective equipment as stated in paragraph 8.

Precautions concerning environment protection:
In the event of a failure, do not allow discharges into the environment. Secure the product before it enters the sewers, groundwater, soil.

Cleaning methods:
Absorb into dry earth or sand. Transfer to a closable, labeled salvage container for disposal by an appropriate method

7. HANDLING AND STORAGE

Dealing with preparation: Proceed in accordance with the principles of good practice and in compliance with health and safety While use of the device do not eat, drink or smoke, avoid eye and skin contact with the liquid, personal protective equipment (as defined in section 8). Spilled preparation can cause risk of slipping.

Fire and explosion protection: Non- flammable preparation.

Storage: Store in well-ventilated and dry area.

8. EXPOSURE CONTROL/INDIVIDUAL PROTECTION

Biological monitoring: Not applicable

Respiratory protection: Not required - with the proper treatment.

Eye protection: Necessary - goggles or face protection such as protective dental visor.

Skin protection: Necessary - gloves and appropriate protective clothing - lab coat

Other information: While using the preparation avoid eye and skin exposure, do not consume meals and beverages, do not smoke.

9. PHYSICAL/CHEMICAL PROPERTIES

Physical form, color, odor:	yellow solution, methanol odor
Boiling point:	not determined
Melting point:	not determined
Vapor pressure:	not determined
Flash point:	not determined
Solubility in water:	very good
Density:	1,01 g / ml
Ignition point:	not determined

10. STABILITY AND REACTIVITY

Stability:
Product stable under normal conditions of use and storage.
Materials and conditions that must be avoided:
Not determined.
Hazardous decomposition products :
Hydrochloric acid fumes

11 TOXICOLOGICAL INFORMATION

Inhalation:
Not specified

Ingestion:
High toxicity:
*Aluminum Chloride Hexahydrate (*7784-13-6) *LD_{50} (rat) 3311 mg/kg*

Skin:
No data

Eyes:
Avoid eye contact. May be irritating to eyes.

Other information:
None of the ingredients of the product is classified as carcinogenic, mutagenic or reprotoxic.

12. ECOLOGICAL INFORMATION

Ecotoxicology:
Not determined for preparation, just for components:
Aluminium chloride 6-hydrate: LC 50/96h
Fish Fundulus heterclitus - 31,5 mg/l
Shelfish Daphnia magna - 136mg/l

Algea Scendesmus - 1,5mg/l

Bioaccumulation:
Not specified

Biodegradation:
Biodegradable

Other information:
Prevent product from entering sewers, groundwater, soil.

13. DISPOSAL CONSIDERATIONS

Dispose of in compliance with governmental regulation or return to the producer.

14. TRANSPORT INFORMATION

The product is not subject to regulations for hazardous materials.

Transport by road (ADR / RID) – NA
Maritime transport (IMDG) - NA
Air transport (ICAO / IATA) - NA

15. REGULATION

Product has to be labeled.

H315 Irritating for skin.
H319 Irritating for eyes.



WARNING

General information:
The product intended for use only by qualified medical personnel, as recommended by the manufacturer.

NOTE: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the material safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Explanation of symbols and phrases appearing in section 3:

Xi Irritant

R 36/38	Irritating to eyes and skin.
Xn	Harmful
R 22	Harmful if swallowed

Other sources of basic data to compile the data sheet:

- MSDS of the individual ingredients of this product
- Computer Database EINECS, 2005.
- IUCLID Data Bank
- ESIS - European Chemical Substances Information System

You will be responsible for creating the conditions for the safe use of the product and bear responsibility for any consequences resulting from misuse of this product.