Safety Data Sheet of the mixture

The date of create: 18th of April 2018

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

1.1. Product identifier

Product name:
ALUSTAT FOAM

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

Foam for stopping bleeding.
Uses advised against: other than those mentioned above.

1.3. Details of the supplier of the safety data sheet

PPH CERKAMED Wojciech Pawłowski
1 Kwiatkowskiego Street, 37-450 Stalowa Wola;
Telephone number: (+48) 15 842 35 85;
E-mail address of competent person responsible for SDS: ewelina.bozek@cerkamed.pl

1.4. Emergency telephone number

Manufacturer phone number: (+48) 15 842 35 85 (7.00-14.30)
National contact in Poland: +48 112

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

The classification of mixture according to Regulation (EC) No 1272/2008:

Skin Irrit. 2; H315

Eye Irrit. 2; H319

For full text of H- phrases: see SECTION 16.

2.2. Label elements



Signal word: WARNING

Hazard statements:
Causes skin irritation. Causes serious eye irritation.

Precautionary statements
Wear protective gloves/protective clothing/eye protection/face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

IF ON SKIN: Wash with plenty of water with soap.

Store in a dry place. Store in a well ventilated place.

2.3. Other hazards

Mixture doesn't meet the criteria for vPvB according to Regulation (EC) No 1907/2006, Annex XIII.

SECTION 3: COMPOSITION/INFORMATION ON INGRIDIENTS

3.1. Substances:

Not applicable.

3.2. Mixtures

The table contains the components of the mixtures, which are the most hazardous to health or to the environment in accordance with Regulation (EC) No 1272/2008 (CLP):

No CAS	EC No	Index No	REACH registration No	Weight [%]	Name	Classification according to CLP
7784-13-6	231-208-1	Not applicable	01-2119459371-39-xxxx	20	**Aluminum chloride hexahydrate**	**Skin Irrit. 2, H315** **Eye Irrit. 2, H319**

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

AFTER EYE CONTACT: Remove contact lenses, if they are present and it is easy to do it. Rinse the eyes with plenty of water for at least 10 minutes. Avoid a strong stream of water due to the possibility of corneal damage. If it is possible, contact an oculist.

AFTER SKIN CONTACT: Take off all contaminated clothing. Contaminated places rinse immediately with plenty of water. In the case of skin irritation a medical attention is required.

AFTER INGESTION: NOT induce vomiting. Contact a doctor.

AFTER INHALATION: Move to fresh air. In case of any symptoms occur, contact a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Contact with skin and eye causes irritation.

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

Symptomatic treatment. Share safety data sheet to doctor providing help.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: dispersed water, chemical foam, carbon dioxide, dry extinguishing powder.

Not recommended extinguishing media: water in a tight stream.

5.2. Special hazards arising from the substance or mixture

The product is not combustible. In case of fire, fumes of hydrochloric acid may be formed.

5.3. Advice for firefighters

Special protective effects for firefighters: Containers exposed to fire or high temperature cool by spraying water from a safe distance. Avoid to get to ground water or surface water.

Special protective equipment for firefighters: Fire-fighters do not stay in dangerous zone without suitable gas-tight clothing and respiratory protection. Basic level of protection during chemical incidents provides clothing for fire-fighters (including helmets, protective boots and gloves).

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

In the case of a larger accident - to notify the fire brigade and the police – in Poland – (or the Emergency Telephone - 112).

For non-emergency personnel:
Avoid contact with skin, eyes and clothing. Provide adequate ventilation in enclosed spaces. In case of insufficient ventilation, wear suitable mask. Put on appropriate personal protective equipment, among others, safety goggles.

For emergency responders:
See information in Section 8 on suitable and unsuitable materials. See also the information in " *For non-emergency personnel* ".

6.2. Environmental precautions

Do not allow product to enter sewage and water, protect drains and sumps, avoid direct contact with the product, in the case of damaged packaging, remove the leak (put in an emergency container).

6.3. Methods and material for containment and cleaning up

The spilled product collect with a liquid-absorbing material and place in a closed, labeled container. Wash the contaminated surface with water.

6.4. Reference to other sections

Use the control measures and personal protective equipment as described in Section 8 of SDS. Follow with the released material according to the principles set in Section 13 of SDS – Disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with skin and eyes. Use in well-ventilated rooms. Before using the product, ensure there is access to water and the opportunity to wash eyes in case of emergency. Follow the general principles of occupational health and safety of chemicals. Wash hands before breaks and after work. Before entering the dining room, remove contaminated clothing and protective equipment.

Additional information on control parameters, see section 8.

7.2. Conditions for safe storage, including any incompatibilities

Properly labeled product store in dry and well ventilated rooms in their original packaging.

7.3. Specific end use(s)

Recommendations: Not applicable.

Industrial sector specific solutions: Not applicable.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

The control parameters applicable to the community limitation are not known.

The employer is obliged to ensure, that the personal protective equipment, clothes and shoes used by workers have protective properties and shall ensure of their adequate washing, maintenance, repair and decontamination.

8.2. Exposure controls

8.2.1. *Appropriate engineering controls*

Technical measures and appropriate working operations should have priority over the use of personal protective equipment.

8.2.2. *Individual protection measures, such as personal protective equipment*

When working with the product, use an apron, safety goggles or a protective dental visor, protective gloves.

The resistance of clothing and protective equipment should be determined by the appropriate supplier. Personal protective equipment could be approved by a health and safety specialist.

Hygiene measures
Wash hands after working with product before eating, smoking and using the lavatory and at the end of the work.

8.2.3. *Environmental exposure controls*

The emissions from ventilation or process equipment should be checked to confirm compliance with the requirements of environmental protection legislation.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

a) Appearance	Yellow gel
b) Odour	Characteristic
c) Odour threshold	Not applicable

d) pH	4
e) Melting point / freezing point	Not applicable
f) Initial boiling point and boiling range	Not applicable
g) Flash point	Not applicable
h) Evaporation rate	Not applicable
i) Flammability (solid, gas)	Not applicable
j) Upper/lower flammability or explosive limits	Not applicable
k) Vapour pressure	Not applicable
l) Vapour density	Not applicable
m) Relative density	1,3 g/cm^3 in 20ºC
n) Solubility	Solubility in H_2O: very good Solubility in other solvents : not available
o) Partition coefficient: n-octanol/water	Not applicable
p) Auto-ignition temperature	Not applicable
q) Decomposition temperature	Not applicable
r) Viscosity	Not applicable
s) Explosive properties	Not applicable
t) Oxidising properties	Not applicable

9.2. Other information

No other important information.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No hazardous reactions if the product is stored in accordance with manufacturer.

10.2. Chemical stability

The mixture is chemically stable under standard conditions of use and the anticipated storage conditions.

10.3. Possibility of hazardous reactions

The hazardous reactions do not occur in normal conditions of storage and use.

10.4. Conditions to avoid

High temperature.

10.5. Incompatible materials

Incompatible materials are not known.

10.6. Hazardous decomposition products

Hydrogen chloride may occur at high temperatures.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

The classification of the mixture was made on the basis of its ingredient.

The mixture does not meet the classification criteria of genetic effects, cancer, damage fertility, STOT SE, RE, acute toxicity.

Based on available data for the components of the mixture, toxicological data are summarized below:

Acute toxicity:

Oral:

- **Aluminum chloride hexahydrate**: LD50 - 3311 mg/kg (rat)

Other information on toxicological effects:
Skin contact – contact with the mixture may cause skin irritation.
Eye contact – contact with the mixture may cause eye irritation.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Based on available data for the components of the mixture, ecotoxicological data are summarized below:
Aluminum chloride hexahydrate: LC50 – fish (Fundulus heterclitus) – 31,5 mg/l (96h)

12.2. Persistence and degradability

Not available.

12.3. Bioaccumulative potential

Not available.

12.4. Mobility in soil

Not available.

12.5. Results of PBT and vPvB assessment

The mixture does not contain any substances assessed to be a PBT or vPvB.

12.6. Other adverse effects

Significant effects or critical hazards are not known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste remaining after production and contaminated packaging are disposed of according to European Union regulations. Do not allow surface and ground water to be contaminated. Do not dispose of with municipal waste. Transfer the product residue to an authorized waste recipient. Product waste code: 18 01 06 (Chemicals, including chemical reagents, containing dangerous substances). Contaminated packaging after emptying and washing should be sent for reprocessing. Waste packaging code: 15 01 02 (Plastic packaging).

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Mixture is not hazardous to the aquatic environment.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable.

SECTION 15: REGULATORY INFORMATION

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

European Union Law:

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
- Commission Regulation (EC) No 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (OJ L 132, 29.5.2015).
- Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives (OJ L 312, 22.11.2008).
- Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (OJ L 142, 16.6.2000).
- Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC (OJ L 38, 9.2.2006).
- Commission Directive 2009/161/EU of 17 December 2009 establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC (OJ L 338, 19.12.2009).

- Commission Directive (EU) 2017/164 of 31 January 2017 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU (OJ L 27, 1.2.2017).

15.2. Chemical Safety Assessment

The assessment of the mixture was not made.

SECTION 16: OTHER INFORMATION

This SDS has been created on the basis of the components safety data sheets. The employer is obliged to inform all employees, who have contact with any hazards, about risks and personal protective equipment specified in that Safety Data Sheet.

Applicable risk statements according to CLP:

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Applicable precautionary statements according to CLP:

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P302+352 IF ON SKIN: Wash with plenty of water with soap.

P402 Store in a dry place.

P403 Store in a well ventilated place.

Abbreviations used:

TLV– The exposure limit value

vPvB –The substance is very persistent, very bioaccumulative and toxic

PBT – The substance is persistent, bioaccumulative and toxic

ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN – European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

RID – European Agreement concerning the International Carriage of Dangerous Goods by Rail

Training - people involved in the marketing of the product should be trained in the handling, safety and hygiene.

The end of SDS