

Safety Data sheet

According to Directive 1907/2006

0165 ALUMINIUM CHLORIDE 6-HYDRATE

Creation Date: 01/12/2010 Revision date: 31/05/2017

1. Identification of the substance/preparation and of the company/undertaking

Identification of the product

Catalogue No: 0165 Product name: ALUMINIUM CHLORIDE 6-HYDRATE Use of the substance: Analysis and chemical-pharmaceutical production

Company/undertaking identification

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2. Hazards identification

Labelling in accordance with directive 1907/2006



R-phrases

36/38 Irritating to eyes and skin.

S-phrases

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Labelling in accordance with directive 1272/2008



H-phrases

319 Causes serious eye irritation.

315 Causes skin irritation.

P-phrases

309+311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

305+351 If in eyes: Rinse cautiously with water for several minutes.

338 Remove contact lenses, if present and easy to do. Continue rinsing

Signal word : WARNING

IRRITANT

R-phrases:

Irritating to eyes and skin.

3.Composition/information on ingredients

For the full text of the R phrases mentioned in this section, see Section 16.

CAS-No.: 7784-13-6

Molecular Weight: 241,45

Chemical formula: $\text{AlCl}_3 \cdot 6\text{H}_2\text{O}$

EC-No.: 231-208-1

R-phrases 36/38

For more information about the R-Phrases text you can consult the paragraph 16

4.First aid measures

After inhalation:

Fresh air

After skin contact:

Rinse with abundant water (or have a shower)

Get rid of the contaminated clothes

After eye contact:

Rinse with abundant water, keeping eyelids open (at least 10 min)

After swallowing:

Drink lots of water

To cause vomit

Call the doctor

5.Fire-fighting measures

Suitable extinguishing media:

Adapt the materials of the surroundings

Special risks:

Fireproof

The following may develop in event of fire: hydrochloric acid

6.Accidental release measures

Procedures for cleaning/absorption:

Dry cleaning. Proceed to the elimination of any waste.

To clean the zone with an abundant water unloading

Environmental protection measures:

Do not allow to enter sewerage system

7.Handling and storage

Handling: Without other exigencies

Storage:

Well closed
Dry place.

8. Exposure controls/personal protection

Exposure limit control
TLV-TWA: 2mg/m³ (Al)

Personal protective equipment:

Respiratory protection:

Necessary respiratory protection in the presence of dust

Hand protection:

Needed

Eye protection:

Needed

Other protective equipment:

Change immediately contaminated clothes and immerse them in water

Wash hands when work is finished

Fulfill the commitments under local environmental protection legislation

9. Physical and chemical properties

Physical state: Solid

Colour: White

Odour: Odourless

pH value: 2,5 (50 g/l water)

Melting point: 100°C

Solubility: 1330 g/l (in water)

10. Stability and reactivity

Substances to be avoided:

Acids.

Water.

Organic compounds.

Alkaline metals.

Hazardous decomposition products:

Hydrogen chloride.

Further information:

To avoid heating.

11. Toxicological information

Acute toxicity:

DL50 (oral, rat): 3730 mg/Kg

After eye contact:

Irritation

After skin contact:

Irritations

After inhalation:

Irritations of the mucous membranes

Irritation of: respiratory tract

After swallowing:

Irritations of mucous membranes in the mouth

Irritations of pharynx

Irritations of oesophagus

Irritations of gastrointestinal tract

Further toxicological information:

Other dangerous characteristics are not discarded

Take the usual precautions for handling chemical products

12. Ecological information

Algae: EC0: 1,5 mg/l

Other harmful effects:

Harmful effect due to pH shift

Acute ecotoxicity in the dumping area

13. Disposal considerations

Product:

Dispose as regulated in the community countries by local regulations.

Please contact with the suitable authority in each case (Public Administration or company specialized in

Packaging:

Product packaging disposal must be disposed of in compliance with the respective local regulations. For contaminated packaging the same measures must be adopted as for the contaminated product. Not contaminated packaging must be disposed of as domestic residues or recycled material. European Directive 94/62/EC of 20 December 1994 on packaging and packaging waste

14. Transport information

Overland transport ADR/RID

Sea transport IMDG

Air transport ICAO-IATA-DGR

15. Regulatory information

16. Other information

Full text of R phrases mentioned in sections 2 and 3

36/38 Irritating to eyes and skin.

The information contained herein is based on the present state of our knowledge.

It characterizes the product with regard to appropriate safety precautions. It does not represent a guaranty of the properties of the product.