

Trade name: Aluminium chloridum hexahydr

Substance number: 060744

Version: 7 / CH

Date revised: 20.10.2021

Replaces Version: 6 / CH

Print date: 20.10.21

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Aluminium chloridum hexahydr

Item No. 06074400

Substance / product identification

CAS-No. 7784-13-6

EINECS-No. 231-208-1

REACH Registry No. 01-2119459371-39

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

Use of the substance/preparation

Chemical

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Hänseler AG

Industriestrasse 35

9100 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible
for this SDS

1.4. Emergency telephone number

Switzerland :145 / Abroad +41 (0)44 251 51 51

SECTION 2: Hazards identification ***

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Skin Irrit. 2 H315

Eye Irrit. 2 H319

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms ***



Signal word

Warning

Hazard statements ***

H315 Causes skin irritation.

H319 Causes serious eye irritation.

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Precautionary statements ***

P264.1	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362	Take off contaminated clothing.

SECTION 3: Composition/information on ingredients**Hazardous ingredients****Aluminium chloride hexahydrate**

CAS No.	7784-13-6		
EINECS no.	231-208-1		
Registration no.	01-21194559371-39		
Concentration	>= 50		%
Classification (Regulation (EC) No. 1272/2008)			
	Skin Irrit. 2		H315
	Eye Irrit. 2		H319

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Remove contaminated, soaked clothing immediately and dispose of safely.

After skin contact

After contact with skin, wash immediately with plenty of water.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Take medical treatment.

After ingestion

Never give anything by mouth to an unconscious person. Drink water in small gulps. Summon a doctor immediately.

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

if swallowed: Gastrointestinal complaints, Nausea, Vomiting, Diarrhoea

SECTION 5: Firefighting measures *****5.1. Extinguishing media****Suitable extinguishing media *****

Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas.

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

If a fire breaks out nearby evolution of dangerous gases possible.

5.3. Advice for firefighters**Special protective equipment for fire-fighting**

Use self-contained breathing apparatus. Wear protective clothing.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove persons to safety. Ensure adequate ventilation. Avoid breathing dust. Avoid contact with eyes and skin. Wear protective equipment

6.2. Environmental precautions

Knock down dust with water spray jet. Do not empty into drains, caverns and basements. Retain and dispose of contaminated wash water.

6.3. Methods and material for containment and cleaning up

Take up mechanically and collect in suitable container for disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Avoid dust formation. Do not inhale dust. Smoking, eating and drinking should be prohibited in application area. Wear protective equipment

Advice on protection against fire and explosion

No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in original packaging, tightly closed.

Storage classes

Storage class according to TRGS 510	13	Non- combustible solids
Storage category (Switzerland)	11/13	Other solid hazardous substances with classification/labelling hazardous

Further information on storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

Aluminium chloride hexahydrate

List	SUVA	
Value	2	mg/m ³

8.2. Exposure controls

General protective and hygiene measures

Do not eat, drink or smoke during work time. Wash hands before breaks and after work.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. EN 143

Hand protection

The glove material must be sufficient impermeable and resistant to the substance. Check the tightness before wear. Gloves should be well cleaned before being removed, then stored in a well ventilated location.

Appropriate Material	Natural Latex
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Material thickness \geq 0.65 mmBreakthrough time $>$ 480 min

Hand protection must comply with EN 374.

The glove material must be sufficient impermeable and resistant to the substance. Check the tightness before wear. Gloves should be well cleaned before being removed, then stored in a well ventilated location.

Appropriate Material nitrile rubber - NBR

Material thickness \geq 0.11 mmBreakthrough time $>$ 480 min

Hand protection must comply with EN 374.

Eye protection

Tightly fitting safety glasses; Face shield

Body protection

protective overalls

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties****Form** solid**Colour** colourless**Odour** odourless**pH value**

Value 2.5 to 3.5

Concentration/H₂O 5 g/l

Temperature 20 °C

Melting point

Remarks No data available

Initial boiling point and boiling range

Remarks No data available

Flash point

Value °C

Remarks Not applicable

Upper/lower flammability or explosive limits

Remarks Not applicable

Vapour pressure

Remarks No data available

DensityValue appr. 2.4 g/cm³

Temperature 20 °C

Solubility in water

Value 477.0 g/l

Ignition temperature

Remarks Not applicable

Decomposition temperature

Remarks No decomposition if used as prescribed.

Oxidising properties

Remarks non flammable

9.2. Other information

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Aluminium chloride hexahydrate

Species	Daphnia magna	
EC50	27.3	mg/l
Duration of exposure	48	h

Aluminium chloride hexahydrate

Species	Daphnia magna	
NOEC	0.8	mg/l
Duration of exposure	21	d

12.2. Persistence and degradability**Biodegradability (Components)****Aluminium chloride hexahydrate**

Remarks	Inorganic product, cannot be eliminated from the water by biological purification processes.
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12.3. Bioaccumulative potential**General information**

No data available

12.4. Mobility in soil**General information**

No data available

12.5. Results of PBT and vPvB assessment**Evaluation of persistence and bioaccumulation potential (Components)****Aluminium chloride hexahydrate**

The Substance doesn't meet PBT/vPvB-criteria

12.6. Other adverse effects**General information**

No data available

General information / ecology

Do not allow it to reach ground water, water bodies or sewage system.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

Disposal in compliance with local and national regulations.

Disposal recommendations for packaging

Disposal in compliance with local and national regulations.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

SECTION 14: Transport information

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	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	The product does not constitute a hazardous substance in land transport.	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.

SECTION 15: Regulatory information ***

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

Water Hazard Class (Germany) ***

Water Hazard Class (Germany)	WGK 3
Identification number	507
Remarks	Derivation of WGK according to Annex 1 No. 5.2 AwSV

15.2. Chemical safety assessment

For this substance a chemical safety assessment has been carried out.

SECTION 16: Other information

Hazard statements listed in Chapter 3

H315	Causes skin irritation.
H319	Causes serious eye irritation.

CLP categories listed in Chapter 3

Eye Irrit. 2	Eye irritation, Category 2
Skin Irrit. 2	Skin irritation, Category 2

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.