

Safety Data sheet

According to Directive 1907/2006

3543 CHROMIUM (III) CHLORIDE 6-HYDRATE GMP

Creation Date: 10/07/2014 Revision date: 31/05/2017

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

Identification of the product

Catalogue No: 3543 Product name: CHROMIUM (III) CHLORIDE 6-HYDRATE GMP Use of the substance: Análisis y producción químico-farmacéutica.

Company/undertaking identification

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2. Hazards identification

Labelling in accordance with directive 1907/2006



R-phrases

22 Harmful if swallowed.

S-phrases

24/25 Avoid contact with skin and eyes.

Labelling in accordance with directive 1272/2008



H-phrases

302 Harmful if swallowed.

P-phrases

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

Signal word : WARNING

HARMFUL

R-phrases:

Harmful if swallowed.

3. Composition/information on ingredients

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

CAS-No.: 10060-12-5

Molecular Weight: 266,45

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

EC-No.: 233-038-3

R-phrases 22

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)

Call the ophthalmologist

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

Ambient fire may liberate hazardous vapours

The following may develop in event of fire: chlorine

Special protective equipment for fire fighting:

Remain in the risk area only if provided with independent artificial respiratory systems.

Other information:

Avoid the penetration of the extinction water in superficial or subterranean aquifers.

6. Accidental release measures

Person-related precautionary measures:

Avoid contact with the substance

Do not inhale dust

Procedures for cleaning/absorption:

Dry cleaning. Proceed to the elimination of any waste.

Rinse.

To avoid the inert dust formation

Environmental protection measures:

Do not send it to the sewerage system

7. Handling and storage

Handling: Without other exigencies

Storage:

Well closed

Dry place.

Storage temperature: without limits

8. Exposure controls/personal protection

Exposure limit control

TLV-TWA: 0,5 mg/m³ (Cr)

Personal protective equipment:

Respiratory protection:

Necessary respiratory protection in the presence of dust

Hand protection:

Needed

Protection gloves:

Nitrile rubber

Eye protection:

Needed

Other protective equipment:

Change immediately contaminated clothes

Recommendable preventive protection of the skin

Wash hands when work is finished

Fulfill the commitments under local environmental protection legislation

9. Physical and chemical properties

Physical state: Solid

Colour: Green

Odour: Spicy

pH value: 2-3 (50 g/l H₂O)

Melting point: 83°C

Solubility: 590 g/l (water)

10. Stability and reactivity

Substances to be avoided:

Fluorine.

Alkaline metals.

Hazardous decomposition products:

Chlorine.

Hydrogen chloride.

Further information:

To avoid heating.
Releases water of crystallization when heated.

11. Toxicological information

Acute toxicity:

LD50 (oral, rat): 1790 mg/kg

After eye contact:

Slight irritation
Conjunctivitis

After skin contact:

Slight irritation symptoms

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

Fishes: *Onchorhynchus mykiss* LC50: 4,4 mg/l /96 h (Cr)

Daphnia: *Daphnia magna* EC50: 111 mg/l /24 h (anhydrous substance)

Other harmful effects:

Adverse ecological effects cannot be excluded in the event of improper handling or disposal
Do not allow to enter waters, waste water, or soil

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

22 Harmful if swallowed.

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.