

Safety Data sheet

According to Directive 1907/2006

3500 IRON (II) CHLORIDE 4-HYDRATE GMP

Creation Date: 22/05/2013 Revision date: 31/05/2017

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

Identification of the product

Catalogue No: 3500 Product name: IRON (II) CHLORIDE 4-HYDRATE GMP Use of the substance: Analysis. Chemical production.

Company/undertaking identification

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2. Hazards identification

Labelling in accordance with directive 1907/2006



R-phrases

- 22 Harmful if swallowed.
- 38 Irritating to skin.
- 41 Risk of serious damage to eyes.

S-phrases

- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 39 Wear eye/face protection.

Labelling in accordance with directive 1272/2008



H-phrases

302 Harmful if swallowed.
315 Causes skin irritation.
318 Causes serious eye damage.

P-phrases

280 Wear protective gloves/protective clothing/eye protection/face protection.
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 : DANGER

HARMFUL

R-phrases:

Harmful if swallowed.
Irritating to skin.
Risk of serious damage to eyes.

3.Composition/information on ingredients

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

CAS-No.: 13478-10-9

Molecular Weight: 198,81

Chemical formula: $\text{FeCl}_2 \cdot 4\text{H}_2\text{O}$

EC-No.: 231-843-4

R-phrases 22; 38; 41

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
Laxative: sodium sulphate (1 spoonful for every 1/4 l water)

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: hydrochloric acid

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 subterraneous aquifers.
Precipitate emergent steam with water

6. Accidental release measures

Person-related precautionary measures:

Avoid contact with the substance
Avoid dust formation
Ventilation in closed spaces

Procedures for cleaning/absorption:

Dry cleaning. Proceed to the elimination of any waste.
Rinse.

Environmental protection measures:

Do not send it to the sewerage system

7. Handling and storage

Handling: Without other exigencies

Storage:

Well closed
To store in a cold and dry place
Protected from light.
From 5°C to 30°C

8. Exposure controls/personal protection

Personal protective equipment:

Respiratory protection:

Necessary respiratory protection in the presence of dust

Hand protection:

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: Odourless

pH value: 2,5 (100 g/l H₂O)

Melting point: 110°C

Boiling point: 1026°C

Solubility: 1600 g/l (water)

log P(ow): -0,15 (anhydrous)

10. Stability and reactivity

Substances to be avoided:

Alkaline metals.

Hazardous decomposition products:

Not available.

Further information:

Not available.

11. Toxicological information

Acute toxicity:

LD50 (oral, rat): 450 mg/kg (anhydrous)

After eye contact:

Risk of serious damage to eyes

After skin contact:

Irritations

After long contact:

Cardiovascular disorders

Kidney problems

Hepatic problems

Further toxicological information:

The precautions adapted for chemical agents must be observed

Other dangerous characteristics are not discarded

12. Ecological information

Fishes: *Poecilia reticulata*: LC50: 925 mg/l/96h (heptahydrate)

Daphnia: *Daphnia magna*: EC50: 152 mg/l/48h (anhydrous)

Bacteria: *Pseudomonas fluorescens*: EC0: 100 mg/l/24h (anhydrous)

Log P(ow): -0,15 (anhydrous)

Other harmful effects:

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

UN: 3260
Class: 8
Packaging group: III
Correct technical name: CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.

Sea transport IMDG

UN: 3260
Class: 8/III
Packaging group: III
Correct technical name: CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.

Air transport ICAO-IATA-DGR

UN: 3260
Class: 8
Packaging group: III
Correct technical name: CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.
CAO: 864
PAX: 860

15.Regulatory information

16.Other information

Full text of R phrases mentioned in sections 2 and 3

22 Harmful if swallowed.

38 Irritating to skin.

41 Risk of serious damage to eyes.

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.