

## Safety Data sheet

According to Directive 1907/2006

### 3823 IRON (III) CHLORIDE SOL. 10-14% Fe w/w GMP

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Creation Date: 24/12/2014 Revision date: 31/05/2017

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

### Identification of the product

Catalogue No: 3823 Product name: IRON (III) CHLORIDE SOL. 10-14% Fe w/w GMP Use of the substance: Analysis and chemical-pharmaceutical production

### Company/undertaking identification

QUALITY CHEMICALS, SL - C/Fornal 35. Pol. Ind. Can Comelles Sud 08292 ESPARREGUERA ESPAÑA Tel. 937709730 Fax. 937709337 e-mail: dtecnica@qualitychemicals.com

### Emergency telephone No.

Quality Chemicals S.L. Tel. +34 937709730 Only in business hours. Instituto Nacional de Toxicología \*Madrid\* Tel:915620420 Chemtrec: 800-424-9300

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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

13 Keep away from food, drink and animal feedingstuffs.

39 Wear eye/face protection.

Labelling in accordance with directive 1272/2008



### H-phrases

315 Causes skin irritation.

319 Causes serious eye 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.

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### 3. Composition/information on ingredients

Aqueous solution

**Short hazard description**

IRON (III) CHLORIDE 6-HYDRATE (CAS-Nr. 10025-77-1, EINECS-Nr. 231-729-4) 48-68%

R-Phrases: 22; 38; 41

HARMFUL

HYDROCHLORIC ACID 37% w/w (CAS-Nr. 7647-01-0, EINECS-Nr. 231-595-7) 1-5%

R-Phrases: 34; 37

CORROSIVE

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

CAS-No.: 7705-08-0

Molecular Weight: 162,22

Chemical formula: FeCl<sub>3</sub>

EC-No.: 231-729-4

R-phrases 36/38

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

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### 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 physician if sickness persists

**After swallowing:**

Drink lots of water

To cause vomit

Call the doctor

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### 5. Fire-fighting measures

**Suitable extinguishing media:**

Adapt the materials of the surroundings

**Special risks:**

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:**

Fireproof

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

## 6. Accidental release measures

**Person-related precautionary measures:**

Not to inhale steam/aerosols  
Ventilation in closed spaces  
Avoid contact with the substance

**Procedures for cleaning/absorption:**

To gather with absorbents  
To come to the elimination of the remainders  
Rinse.

**Environmental protection measures:**

Do not send it to the sewerage system

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## 7. Handling and storage

Handling: Without other exigencies

**Storage:**

Well closed  
Dry place.

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## 8. Exposure controls/personal protection

Exposure limit control

HYDROCHLORIC ACID 37% w/w

TLV-TWA: 5 ppm (7,6 mg/m<sup>3</sup>); TLV-STEL: 10 ppm (15 mg/m<sup>3</sup>)

**Personal protective equipment:**

**Respiratory protection:**

Necessary when steam/aerosols are generated

**Hand protection:**

Protection gloves:

Nitrile rubber

**Eye protection:**

Needed

**Skin and body protection:**

Suitable protective clothing

**Other protective equipment:**

Change immediately contaminated clothes

Recommendable preventive protection of the skin

Wash hands and face when the work is finished

Fulfill the commitments under local environmental protection legislation

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## 9. Physical and chemical properties

Physical state: Liquid

Colour: Brown

Odour: Spicy

pH value: 1 (50%)

Density (g/cm<sup>3</sup>): 1,360

Solubility: Soluble in water

log P(ow): -4

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## 10. Stability and reactivity

### Substances to be avoided:

Alkaline metals.

### Hazardous decomposition products:

Hydrogen chloride.

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## 11. Toxicological information

### Acute toxicity:

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

### After eye contact:

Risk of serious damage to eyes

### After skin contact:

Irritations

### After swallowing:

Nausea

Vomiting

Diarrhoea

### Further toxicological information:

Other dangerous characteristics are not discarded

Take the usual precautions for handling chemical products

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## 12. Ecological information

Fishes: *Oryzias latipes* LC50: 23 mg/l/48h (anhydrous substance)

Daphnia: *Daphnia magna* EC50: 29.74 mg/l/48h (anhydrous substance)

Log P(ow): -4

Bioaccumulation: Bioaccumulation is not expected

### Other harmful effects:

No ecological problems are to be expected when the product is handled and used with due care and attention

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## 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

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## 14. Transport information

### Quality Chemicals, S.L.

Inscrita en el Registro Mercantil de Barcelona,  
tomo 30166, folio 195, Sección General, hoja 169845.  
Identificación fiscal ES B61403242

Fornal, 35 - Pol. Ind. Can Comelles Sud

Apdo. de Correos, 184

ES08292 Esparreguera (Barcelona)

Tel. (34) 93 770 97 30 - Fax (34) 93 770 93 37

customer-service@qualitychemicals.com - www.qualitychemicals.com

**Overland transport ADR/RID**

UN: 2582  
Class: 8  
Packaging group: III  
Correct technical name: FERRIC CHLORIDE SOLUTION

**Sea transport IMDG**

UN: 2582  
Class: 8/III  
Packaging group: III  
Correct technical name: FERRIC CHLORIDE SOLUTION

**Air transport ICAO-IATA-DGR**

UN: 2582  
Class: 8  
Packaging group: III  
Correct technical name: FERRIC CHLORIDE SOLUTION  
CAO: 856  
PAX: 852

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**15.Regulatory information**

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**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.

34 Causes burns.

37 Irritating to respiratory system.

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.