

## Safety Data sheet

According to Directive 1907/2006

### 3413 tri-SODIUM CITRATE 2-HYDRATE parenteral GMP

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Creation Date: 05/11/2015 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: 3413 Product name: tri-SODIUM CITRATE 2-HYDRATE parenteral 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

Labelling in accordance with directive 1272/2008

Classified as not dangerous in accordance with directive 1999/45/CE

Product not dangerous according to Regulation (EC) 1272/2008

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## 3. Composition/information on ingredients

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

CAS-No.: 6132-04-3

Molecular Weight: 294,10

Chemical formula:  $C_6H_5O_7Na_3 \cdot 2H_2O$

EC-No.: 200-675-3

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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)

**After swallowing:**

Drink lots of water

Call the doctor

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## 5. Fire-fighting measures

**Suitable extinguishing media:**

Water

Dust

Foam

Carbon dioxide

**Special risks:**

Combustible

Ambient fire may liberate hazardous vapours

**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.

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## 6. Accidental release measures

**Person-related precautionary measures:**

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

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## 7. Handling and storage

Handling: Without other exigencies

**Storage:**

Well closed

Dry place.

Storage temperature: without limits

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## 8. Exposure controls/personal protection

**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

Wash hands when work is finished

Fulfill the commitments under local environmental protection legislation

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## 9. Physical and chemical properties

Physical state: Solid

Colour: White

Odour: Odourless

pH value: 7,5-9,0 (50 g/l H<sub>2</sub>O)

Melting point: 150°C

Solubility: 720 g/l (water)

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## 10. Stability and reactivity

**Substances to be avoided:**

Strong oxidizing agents.

**Hazardous decomposition products:**

Not available.

**Further information:**

Strong heating (decomposition).

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## 11. Toxicological information

**Acute toxicity:**

LD<sub>50</sub> (intraperitoneal, mouse): 1364 mg/kg

**After eye contact:**

Slight irritation

**After inhalation:**

Coughing

**After long contact:**

Electrolytic balance disorders

**After swallowing:**

Vomiting

Burns in oesophagus

Burns in gastrointestinal tract

**Further toxicological information:**

No toxic effects are to be expected when the product is handled appropriately

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## 12. Ecological information

Fishes: *P. reticulata* LC<sub>50</sub>: >18000-32000 mg/l /96 h (anhydrous substance)

Daphnia: *Daphnia magna* EC<sub>50</sub>: 5600-10000 mg/l /48 h (anhydrous substance)

Algae: *Chlorella vulgaris* IC<sub>50</sub>: >18000-32000 mg/l /96 h (anhydrous substance)

Bacteria: Pseudomonas fluorescens EC50: >1800-3200 mg/l /8 h (anhydrous substance)

Biodegradability: High

**Other harmful effects:**

Do not allow to enter waters, waste water, or soil

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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

Overland transport ADR/RID

Sea transport IMDG

Air transport ICAO-IATA-DGR

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### 15. Regulatory information

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### 16. Other information

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.