

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

### 1.1. Identification of the substance or preparation

**Trade name:** tri-Sodium citrate dihydrate p.A.

**Article number:** LC-6875

**CAS number:** 6132-04-3

**REACH Registration Number:** 01-2119457027-40-XXXX

### 1.2. Use of the substance/preparation:

- laboratory utilization
- analysis
- research
- fine chemistry

### 1.3. Details of the supplier of the safety data sheet

**Manufacturer/Supplier:**

neoFroxx GmbH

Marie-Curie-Str. 3

D-64683 Einhausen

[info@neofroxx.com](mailto:info@neofroxx.com)

**Further information obtainable from:**

Dep. Quality Control

### 1.4. Emergency telephone number

+49 (6251) 989 24 - 0 (during normal business hours)

## 2. Hazards identification

### Classification of the substance or the mixture:

No hazardous substance as specified in Regulation (CE) 1272/2008.

No hazardous substance as specified in Classification (67/548/CEE or 1999/45/CE).

## 3. Composition / information on ingredients

Name: tri-Sodium citrate dihydrate

Formula:  $C_6H_5Na_3O_7 \cdot 2H_2O$

M.= 294,10

CAS [6132-04-3]

EC number (EINECS): 200-675-3

REACH Registration Number: 01-2119457027-40-XXXX

## 4. First aid measures

### 4.1. General indications:

Never provide drink or induce vomiting in the event of loss of consciousness.

### 4.2. Inhaling:

Go out into the fresh air.

### 4.3. Contact with the skin:

Wash with plenty of water. Remove contaminated clothing.

### 4.4. Eyes:

Wash with plenty of water, keeping eyelids open.

### 4.5. Swallowing:

Drink large amounts of water. Induce vomiting. In the event of sickness, seek medical assistance.

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## 5. Firefighting measures

- 5.1. Suitable fire-extinguishing means:  
As appropriate to the environment.
- 5.2. Fire-fighting means which must NOT be used:  
No specific data.
- 5.3. Special risks:  
Combustible.
- 5.4. Protective equipment:  
Suitable clothing and footwear.

## 6. Accidental release measures

- 6.1. Individual precautions:  
No special indications.
- 6.2. Precautions for care of the environment:  
Avoid pollution of the soil, water supplies and drains.
- 6.3. Methods for collection/cleaning:  
Collect up dry and deposit in waste containers for subsequent elimination in accordance with current legislation. Clean any remains with plenty of water.

## 7. Handling and storage

- 7.1. Handling:  
No special indications.
- 7.2. Storage:  
Well sealed containers. Dry atmosphere. Room temperature.

## 8. Exposure controls / personal protection

- 8.1. Technical protective measures:  
No special indications.
- 8.2. Exposure limit control:  
Data not available.
- 8.3. Respiratory protection:  
If dust forms, use suitable respiratory protection.
- 8.4. Hand protection:  
Use suitable gloves
- 8.5. Eye protection:  
Use suitable goggles.
- 8.6. Individual hygiene measures:  
Remove contaminated clothing. Wash hands before breaks and when the job is done.
- 8.7. Environmental exposure controls:  
Fulfill the commitments under local environmental protection legislation.

## 9. Physical and chemical properties

Appearance: solid  
Colour: White  
Granulometry: N/A  
Odour: Odourless.  
pH: 7,5 - 9,0  
Melting point/freezing point: 150 °C  
Initial boiling point and boiling range: N/A  
Flash point: N/A  
Flammability (solid, gas): N/A  
Upper/lower flammability or explosive limits: N/A  
Vapour pressure: N/A  
Vapour density: N/A  
Relative density: N/A  
Solubility: 720 g/l in water 25 °C  
Partition coefficient: n-octanol/water: N/A  
Auto-ignition temperature: N/A  
Decomposition temperature: N/A  
Viscosity: N/A

## 10. Stability and reactivity

### 10.1. Conditions which should be avoided:

The product is chemically stable under standard ambient conditions (room temperature).

### 10.2. Matter which should be avoided:

No specific data.

### 10.3. Hazardous decomposition products:

No specific data.

### 10.4. Complementary information:

No specific data.

## 11. Toxicological information

### 11.1. Acute toxicity:

LD50 ipr mus: 1.364 mg/kg

### 11.2. Dangerous effects for health:

No specific data on this product known with regard to effects of overdose in humans. The data we have are insufficient for correct toxicological assessment. Based on the physico-chemical properties, the likely dangerous characteristics are:

Through contact with the eyes: irritations, slight

If swallowed in large quantities: Risk of vomiting, electrolytic balance disorders, burns in the oesophagus and stomach.

Take the usual precautions for handling chemical products.

## 12. Ecological information

### 12.1. Toxicity:

**EC50 test (mg/l):**

**Receptor medium:**

Risk for the water environment

Risk for the land environment

**Observations:**

### 12.2. Persistence and Degradability:

**Test:**

BOD5

**Biotic degradation classification:**

BOD5/COD

Biodegradability

**Abiotic degradation depending on pH:**

**Observations:**

### 12.3. Bioaccumulative potential:

**Test:**

**Bioaccumulation:**

Risk

**Observations:**

### 12.4. Mobility in soil:

Data not available.

### 12.5. Assessment PBT and MPMB:

Data not available.

### 12.6. Other possible effects on the environment:

If suitable handling conditions are maintained, no ecological problems are to be anticipated.

## 13. Disposal considerations

### 13.1. Substance or preparation:

In the European Union, there are no homogeneous standards established for elimination of chemical waste, which is waste of a special nature, and treatment and elimination of same is subject to the domestic legislation in each country.

In view of this, in each case, you should contact the competent authority or those companies legally authorized for elimination of waste.

2001/573/EC: Council Decision of 23 July 2001 amending Commission Decision 2000/532/EC as regards the list of wastes. Council Directive 91/156/EEC of 18 March 1991 amending Directive 75/442/EEC on waste.

### 13.2. Contaminated containers:

Contaminated containers and packaging of dangerous substances or preparations must be treated in the same manner as the actual products contained in them.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.

## 14. Transport information

Not classified as dangerous in the meaning of transport regulations.

## 15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

## 16. Other information

The information included in this Safety Data Sheet is based on our most up-to-date knowledge, and is solely intended to inform regarding aspects of safety; the properties and characteristics indicated herein are not guaranteed.