

# Material Safety Data Sheet

SODIUM CITRATE

## 1. Product Identification

Chemical Product name : TRI-SODIUM CITRATE DIHYDRATE

Trade Name : TRI-SODIUM CITRATE DIHYDRATE

## 2. Composition / Information about dangerous components

Substances / Preparation : Substances.

Chemical Name CAS Number EG number E-No. R-sentences

68-04-2

E-331

## 3. Hazards Identification:

Physical / Chemical Risks : None

Environment Risks : None/biologically degradable.

Health Risks : None known.

## 4. First Aid Measures:

Effects and Symptoms:

After swallowing : Large quantities may cause nausea, vomiting, cramps, and produce acidic irritation of mouth and throat.

After inhalation : No information available.

After skin contact : No information available.

After eye contact : No information available.

General : Irritation. Some allergic reactions.

First Aid Measures:

After swallowing : Give 2-3 glasses of water or milk to drink.

Induce vomiting. Get medical attention.

Inhalation : Remove to fresh air. If not breathing, administer cardio-pulmonary resuscitation or artificial respiration. Get medical attention.

Skin contact : Rinse with water and soap.

Eye contact : Rinse with water. Get medical attention.

## 5. Fire Fighting Measures

Extinguishing agents:

Suitable : Not combustible. Use appropriate extinguishing media for material that is supplying fuel.

Unsuitable : -

Specific measures : -Unusual fire/explosion risks : -

Dangerous thermic decomposition and combustion

products : -Protection of fire fighting crews :

## 6. Accidental Release Measures:

Personal protection measures : -

Environmental protection

measures : -

Cleaning methods : With mechanical means and/or flush with water.

## 7. Handling and Storage:

Handling : No specific requirements.

Storage : Avoid humidity and high temperatures. Note  
that material is slightly hygroscopic.

Packing Measures

Suitable : Polyethylene-lined bags, drums, big bags, etc.

## 8. Exposure Control and Personal Protection:

Technical Exposure control : -

Hygienic measures : Dust masks.

Upper professional exposure limits

Chemical Name :

"TLV" (USA)

"MAK"(Germany)

Personal protection measures

Breathing equipment : Dust masks.

Skin and body : Clothes.

Hands : Gloves.

Eyes : Safety glasses.

## 9. Physical and Chemical Properties:

Appearance : Dry granulates.

Color : White.

Smell : No unusual odour.

Boiling point : Solid.

pH : (5% solution) - 7.5-9

Vapour pressure (air=1) : Practically zero

Vapour density (air = 1) : 2.2

Flash point : Not combustible.

Ignition temperature : -

Lower explosion limit : -

Upper explosion limit : -

## 10. Stability and Reactivity

Stability : **Stable.**

Circumstances to be avoided : -

Substances to be avoided : **Peroxides**

Dangerous decomposition

products : **Not known.**

## 11. Toxicological Information

Chemical Name :

Acute toxicity :

Oral :

Dermal :

Breathingwise :

Eye effects : Not known.

Skin effects : Not known.

Sensitivity : Not known.

Chronic Toxicity : Not known.

Carcinogenity : Not known.

## 12. Ecological Information

Ecological details of substance are not available.

Chemical Name :

Ecotoxicity :

Exotoxicity :

### 13. Instructions for Disposal

Disposal methods : Gather mechanically.

According to local  
regulations. Water soluble.

### 14. Transport Information

UN Number :

Road & Railtransport

ADR/RID Class :

ADR/RID Number :

Inland waterways

ADNR Class :

Sea transport

IMDG Pagenumber :

Air Transport

IATA Class :

National transport laws :

### 15. Legally Required Information

Danger designation :

Safety phrases :

Risk phrases :

National Regulations :

### 16. Other Information

History :

Date of first issue : JAN 03,2005

Date of current issue :JAN 05,2009

Warranty:-

This information herein given in good faith and to the best of our knowledge. Since we have no control over the use of the product, we make no warantee or representation, expressed or implied, other than that it conforms to the chemical description on its label. No agent, representative or employee of GBI is authorized to change any terms of this notice.