



Sodium Citrate TRISODIUM CITRATE DIHYDRATE

MATERIAL SAFETY DATA SHEET

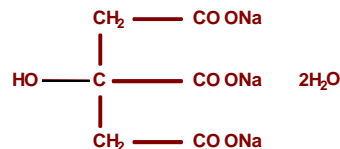
Update Date: Nov. 18, 2014

1. General Information

Producer : RZBC(JUXIAN) CO., LTD.
Street: No. 209 Laiyang Road (Chengyang North Road), Juxian Economic Development Zone
City: Rizhao
Province: Shandong
Country: China
Zip Code: 276500
Info Phone: 0086-633-2163529 Fax :
 0086-633-2163500
Supplier: Sodium Solutions Inc. 780-482-1312

2. Ingredients/Identity Information

Proprietary: NO
Ingredient: Trisodium Citrate Dihydrate
Chemical family: Organic acid,
Formula: $C_6H_5Na_3O_7 \cdot 2H_2O$
Molecular Weight: 294.10
H.S Number: 29181500
CAS Number: 6132-04-3
OSHA Pel: none
Acgih: none
TVL: none
Other Recommended limit: none specified.
Ingredient Sequence Number: 01



3. Danger identification (Signs and symptoms of overexposure)

Inhale: Sore throat, cough, shortness of breath.
SKIN & EYES: Irritation.

4. Emergency/First Aid Procedures

- Inhale:* move to fresh air, Rest & call a doctor.
- Ingest:* Rinse mouth, give plenty of water to drink.
- Skin:* Remove contaminated clothes, Rinse skin with plenty of water.
- Eyes:* First rinse thoroughly with plenty of water for at least 15 minutes, then see doctor, if necessary.

5. Fire and Explosion Hazard Data

- Flash point:* N/A
- Auto ignition temperature:* N/A
- Extinguishing Media:* Use water fog, Carbon Dioxide, Foam, or dry chemical.
- Special Fire Fighting Procedures:* Fire fighters should use NIOSH approved & full protective equipment when fighting chemical fire. Use water spray to cool nearby exposed to fire.
- Unusual Fire And Expl Hazards:* Fire or excessive heat may cause production of hazardous decomposition products.

6. Storage

- Manipulation precautions:* Avoid development of dust. Ensure a good ventilation for warehouse,
- Storage and containers:* Keep exclusively in origin packaging,
- Storage with other products:* Don't store with oxyde agents,
- Storage recommendations:* Make sure product stored in DRY – COOL area. Protect from heat and direct sun exposures.

7. Precautions for Safe Handling and Use

- Steps to be taken if material released or split:* clean up by vacuum or broom sweeping into disposal drum.
- Neutralising Agent:* Soda ash or Sodium Bicarbonate.
- Waste Disposal Method:* Bury in approved landfill. Incinerate under approved controlled procedures. Cover contaminated surfaces with Soda ash or Sodium bicarbonate. Add water if necessary. Neutralise with NH₄OH or 6M HCL as request. Wash down with water.
- Other Precautions:* Avoid contact with eyes and skin. Do not Breathe dust.

8. Special protection / Control Measures

- Respiratory Protection:* NIOSH approved dust mask.

Ventilation: Local exhaust as needed. Use mesh for good dust / process control
Protective Gloves: Rubber
Eye Protection: safety glasses with side shield.
Other Protective Equipment: Chemical workers goggles is gross contact likely.
Work Hygienic Practices: Wash hands after contact with this material. Do not eat, drink, or smoke around this product.

9. Physical / Chemical Characteristics

Appearance And Odour: Odourless, Free Flowing, White Crystalline Powder
Relative molecular mass: 210.1 (M_r)
Boiling Point: N/A
Melting Point: 307 F, 153 °C
Specific Gravity: 1.542
Solubility In Water: 59.2 G/100G WATER (appreciable)
Corrosion Rate (IPY): N/A
PH: 2,2 – 2,5 ppm (in solution at 5%)
Density: 1.542 g/ml
Vapour Pressure (MM Hg/70 F): N/A
Decomposition Temperature: N/A
Evaporation Rate And Ref: N/A

10. Physical Hazard / Reactivity Data

Stability: YES
Conditions To Avoid (Stability): High temperature, sparks, and open flames.
Materials To Avoid: Caustic (Alkalis). Solutions are mildly corrosive to Carbon steel.
Hazardous Decomposition Products: NONE
Hazardous Polymerisation may occur: NO

11. Health Hazard Data

Route Of Entry ➤ Inhalation: YES
Route Of Entry ➤ Skin: YES
Route Of Entry ➤ Ingestion: YES

☞ Health Haz Acute And Chronic:

Acute-eyes: Slight irritation.
Skin:Slight: Irritation.
Inhalation: Irritation.

☞ Explanation Carcinogenicity: NOT CONSIDERED TO BE A CARCINOGEN.

Carcinogenicity - NTP: NO (NTP for National Toxicology Program)

Carcinogenicity - IARC: NO

Carcinogenicity - OSHA: NO

12. Ecological Information

Biodegradability: Easily degradable

Toxicity effects: Highly toxic for fish, not considered to be toxic for bacteria

Air pollution: 50mg/m³ for a mass emission > 0.5kg/h

Precautions: For waste removal, please refer to the regional/national legislation.

13. Relative elimination remarks

Waste code: 07 01 99

Products recommendations:

Can be eliminated with domestic garbage on condition it complies with local regulations.

Packaging recommendations:

After usage, bags have to be completely empty. After appropriate washing, they can be used again.

Non reusable packaging has to be eliminated the same way as the product itself.

14. Transport information:

No restrictive regulations oppose to the transport of Trisodium Citrate Dihydrate.

IMO: Not Regulated; ADR/RID: Not Regulated; DOT: Not Regulated

15. Label Data

Label Required: YES

Common Name: TRISODIUM CITRATE DIHYDRATE

Chronic Hazard: NO

Signal Word: CAUTION!

Acute Health Hazard-Slight: X

Contact Hazard-Slight: X

Fire Hazard-None: X

Reactivity Hazard-None: X

Special Hazard Precautions: ACUTE-EYES: SLIGHT IRRITATION. SKIN: SLIGHT IRRITATION.
INHALATION: IRRITATION.

Protect Eye: Y

Protect Skin: Y

Label Name: RZBC(JUXIAN) CO., LTD.

Label Street: No. 209 Laiyang Road (Chengyang North Road), Juxian Economic Development Zone

Label City: Rizhao

Label Province: Shandong

Label Zip Code: 276500
Label Country: CHINA

16. Important:

All information, recommendations and suggestions contained herein regarding this product are based on data obtained from manufacturer and/or recognised technical sources. However RZBC CO., LTD makes no warranty, express or implied as its accuracy or completeness, as none is made as to use this product by others which is beyond our controls. It is the user responsibility to determine the safety, toxicity and suitability for his own application and use handling and disposal of the product.

It is recommended to proceed to a product analysis after 3 years of production date. Thus to insure validity of parameters

The information in this Material Safety Date Sheet (MSDS) relate only to the product designed herein and does not relate to the use in combination, mixture process or otherwise with any other material.