

## Material Safety Data Sheet

### Monosodium Citrate Anhydrous

#### Section 1: Chemical Product and Company Identification

Product Name : Monosodium Citrate Anhydrous  
Chemical Formula :  $C_6H_7NaO_7$   
Company Identification : Tradeasia International Pte Ltd  
Address : 133 Cecil Street # 12-03 Keck Seng Tower, Singapore  
Tel: +65-6227 6365  
Fax: +65-6225 6286  
Email: [contact@chemtradeasia.com](mailto:contact@chemtradeasia.com)

#### Section 2: Composition and Information on Ingredients

Composition:

Name	CAS#	% by Weight
Monosodium Citrate Anhydrous	18996-35-5	100

#### Section 3: Hazards Identification

Physical / Chemical Risks : Hygroscopic  
Environmental Risks : Data not yet available  
Health Risks : May be harmful by inhalation, ingestion or skin absorption.  
May cause irritation

#### Section 4: First Aid Measures

##### Effect and Symptoms

After swallowing : Large quantities may cause nausea, vomiting, produce acidic irritation of mouth and throat.  
After inhalation : May cause coughing, sneezing and labored breathing.  
After skin contact : May cause irritation.  
General : May cause irritation, some allergic reaction.

##### First Aid Measures

After swallowing : Wash out mouth with water. Give 2-3 glasses of water or

	milk to drink. Induce vomiting. Get medical attention.
<b>Inhalation</b>	: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<b>Skin contact</b>	: Wash with water and soap and copious amounts of water.
<b>Eye contact</b>	: Immediate and prolonged irrigation with copious amounts of water.

## Section 5: Fire Fighting Measures

### Extinguishing agents

<b>Suitable</b>	: Carbon dioxide, dry chemical powder or appropriate foam. Water spray.
<b>Unsuitable</b>	: This material, like most materials in powder form, is capable of creating a dust explosion.
<b>Specific Measures</b>	:
<b>Unusual fire / explosion risks</b>	:
<b>Dangerous thermic decomposition and combustion products</b>	:
<b>Protection of fire fighting crews</b>	: Protective clothes, rubber gloves, self-contained breathing apparatus, chemical safety goggles.

## Section 6: Accidental Release Measures

### **Personal Protection Measures:**

Respirator, chemical safety goggles, rubber boots and rubber gloves.

### **Cleaning Methods:**

Sweep up, place in a bag and hold for waste. Avoid raising dust. Ventilate and wash spill after material pick up is complete site.

## Section 7: Handling and Storage

### **Handling:**

Mechanical exhaust required.

### **Storage:**

Avoid humidity and high temperatures. Note that material is slightly hygroscopic. Keep container closed. Store in a cool dry place.

#### **Packing Measures:**

Polyethylene-lined bags. Drums, big bags, etc.

### **Section 8: Exposure Controls/Personal Protection**

Technical Exposure Control :  
Hygienic measures : Safety shower and eye bath mechanical exhaust required.  
Upper professional exposure limits

#### Chemical Name

TLV (USA) :

MAK (Germany) :

#### Personal protection measures

Breathing equipment : Approved respirator  
Skin and body : Clothes  
Hands : Rubber gloves  
Eyes : Chemical safety goggles

### **Section 9: Physical and Chemical Properties**

Physical state and appearance : Crystalline powder  
Color : White.  
Odor : No unusual odor  
Boiling / Melting Point : 212°C  
pH : (1% solution) 3.5 – 4.0  
Solubility in water :  
Vapor Pressure (air = 1) : Practically zero  
Vapor Density (air = 1) : Not applicable  
Flash Point : Not established  
Ignition temperature : Not established

### **Section 10: Stability and Reactivity Data**

**Stability:** The product is stable.

**Substances to be avoided:** Reducing agents. Oxidizing agents.

**Dangerous decomposition products:** Toxic fumes of carbon monoxide, carbon dioxide.

### Section 11: Toxicological Information

**Chemical Name** : Citric Acid, monosodium salt RTECS#GE7950000

#### Acute toxicity

**Oral** : May be harmful

**Dermal** : May cause irritation

**Breathing wise** : May be harmful

**Eye effects** : Cause irritation

**Skin effects** : May cause irritation

**Chronic Toxicity** : Has not been thoroughly investigated

**Carcinogenity** : Has not been thoroughly investigated

### Section 12: Ecological Information

Ecological details of substance are not available

### Section 13: Disposal Considerations

#### **Waste Disposal:**

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

### Section 14: Transport Information

Not applicable

### Section 15: Other Regulatory Information

**Danger designation** : RTECS#GE7950000

**Safety phrases** : S22-24/25, CH-4, WGK

**Other Regulations** : EPA TCSA, section 8(B) chemical inventory

## Section 16: Other Information

**References:** Not available.

**Other Special Considerations:** Not available.

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