

# BEBBINGTON INDUSTRIES SAFETY DATA SHEET

## SECTION 1: Identification

- 1.1. Identification
- Product form : Substance
  - Substance name : Sodium Citrate, Dihydrate
  - CAS-No. : 6132-04-3
  - Product code : LC23650
  - Formula : C6H5Na3O7·2H2O
- 1.2. Recommended use and restrictions on use
- Use of the substance/mixture : For laboratory and manufacturing use only.
- 1.3. Supplier
- BEBBINGTON INDUSTRIES  
 44 WRIGHT AVENUE  
 DARTMOUTH, NOVA SCOTIA, CANADA B3B 1G6  
 customer.service@bebbingtonindustries.ca
- EMERGENCY NUMBER: CANUTEC 1 613 996 6666

## SECTION 2: Hazard(s) Identification

- 2.1. Classification of the substance or mixture
- GHS-US classification  
 Not classified
- 2.2. GHS Label elements, including precautionary statements
- Not classified as a hazardous chemical.
- Other hazards not contributing to the classification : None.
- 2.4. Unknown acute toxicity (GHS US)
- Not applicable

## SECTION 3: Composition/Information on Ingredients

3.1. Substances : Mono-constituent

Substance type

Name	Product Identifier	%	GHS-US classification
Sodium Citrate, Dihydrate (Main constituent)	(CAS No.) 6132-04-3	100	Not classified

Full text of hazard classes and H-statements : see section 16

3.2. Mixtures

Not applicable

## SECTION 4: First-aid measures

- 4.1. Description of first aid measures
- First-aid measures general
- : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
  - : Allow victim to breathe fresh air. Allow the victim to rest.
- First-aid measures after inhalation
- : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- First-aid measures after skin contact
- : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
- First-aid measures after eye contact
- : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
- First-aid measures after ingestion
- : Not expected to present a significant hazard under anticipated conditions of normal use.
- 4.2. Most important symptoms and effects (acute and delayed)
- Symptoms/effects

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4.3. Immediate medical attention and special treatment, if necessary  
No additional information available

### SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media  
Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.  
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical  
No additional information available

5.3. Special protective equipment and precautions for fire-fighters  
Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.  
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel  
Protective equipment : Safety glasses.  
Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders  
Protective equipment : Equip cleanup crew with proper protection.  
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up  
Methods for cleaning up : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

### SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.  
: Wash contaminated clothing before reuse.

Hygiene measures

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Protect from moisture. Keep container closed when not in use.  
Incompatible products : Strong oxidizers.  
Incompatible materials : Sources of ignition. Direct sunlight.

### SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. Provide adequate ventilation to minimize dust concentrations.

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### 8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Safety glasses.

Eye protection:

Chemical goggles or safety glasses

Respiratory protection:

Dust formation: dust mask

Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	☐ Solid
Appearance	☐ Powder
Color	☐ white
Odor	☐ Mild odour
Odor threshold	☐ No data available
pH	☐ 7 - 9.5% solution
Melting point	☐ 150 °C
Freezing point	☐ No data available
Boiling point	☐ No data available
Flash point	☐ No data available
Relative evaporation rate (butyl acetate=1)	☐ No data available
Flammability (solid, gas)	☐ Non flammable
Vapor pressure	☐ No data available
Relative vapor density at 20 °C	☐ No data available
Relative density	☐ No data available
Specific gravity / density	☐ No data available
Molecular mass	☐ 1.7 g/cm <sup>3</sup>
Solubility	☐ 294.1 g/mol
Log Pow	☐ Soluble in water. Soluble in glycerol. Water: 72 g/100ml
Auto-ignition temperature	☐ No data available
Decomposition temperature	☐ No data available
Viscosity, kinematic	☐ No data available
Viscosity, dynamic	☐ Not applicable
Explosion limits	☐ Not applicable
Explosive properties	☐ No data available
Oxidizing properties	☐ No data available.
	☐ None.

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

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- 10.2. Chemical stability  
Stable under normal conditions.
- 10.3. Possibility of hazardous reactions  
Not established.
- 10.4. Conditions to avoid  
Incompatible materials.
- 10.5. Incompatible materials  
Strong oxidizers.
- 10.6. Hazardous decomposition products  
fume, Carbon monoxide, Carbon dioxide.

### SECTION 11: Toxicological Information

#### 11.1. Information on toxicological effects

Likely routes of exposure

Inhalation; Skin and eye contact

Acute toxicity

Not classified

**Sodium Citrate, Dihydrate (6132-04-3)**  
LD50 oral rat  
ATE US (oral)

6730 mg/kg  
6730 mg/kg body weight

Skin corrosion/irritation

Not classified  
(Based on available data, the classification criteria are not met)

Serious eye damage/irritation

Not classified  
(Based on available data, the classification criteria are not met)

pH: 7 - 9 5% solution

Respiratory or skin sensitization  
Germ cell mutagenicity

Not classified  
Not classified

Carcinogenicity

Not classified

Reproductive toxicity

Not classified

Specific target organ toxicity – single exposure

Not classified

Specific target organ toxicity – repeated exposure

Not classified

Aspiration hazard

Not classified

Potential Adverse human health effects and symptoms

Based on available data, the classification criteria are not met.

### SECTION 12: Ecological Information

#### 12.1. Toxicity

**Sodium Citrate, Dihydrate (6132-04-3)**  
EC50 Daphnia 1

655 - 825.9 mg/l

#### 12.2. Persistence and degradability

**Sodium Citrate, Dihydrate (6132-04-3)**

Persistence and degradability

Not established.

#### 12.3. Bioaccumulative potential

**Sodium Citrate, Dihydrate (6132-04-3)**

Bioaccumulative potential

Not established.

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

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Other information

Avoid release to the environment.

### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

Waste disposal recommendations  
Ecology - waste materials

- Dispose in a safe manner in accordance with local/national regulations.
- Avoid release to the environment.

### SECTION 14: Transport information

Department of Transportation (DOT)  
In accordance with DOT  
Not regulated

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

##### Sodium Citrate, Dihydrate (6132-04-3)

Listed on the United States TSCA (Toxic Substances Control Act) Inventory

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) Inventory

#### 15.2. International regulations

CANADA

##### Sodium Citrate, Dihydrate (6132-04-3)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

##### Sodium Citrate, Dihydrate (6132-04-3)

Not listed on the Canadian IDL (Ingredient Disclosure List)

#### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

### SECTION 16: Other Information

NFPA health hazard

NFPA fire hazard

NFPA reactivity

Hazard Rating

Health

Flammability

Physical

Personal protection

- 0 - Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.
- 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.
- 0 - Material that in themselves are normally stable, even under fire conditions.



- 0 Minimal Hazard - No significant risk to health
- 0 Minimal Hazard - Materials that will not burn
- 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react; Non-Explosives.
- A
- A - Safety glasses

# **Sodium Citrate, Dihydrate**

Safety Data Sheet

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PREPARED BY BEBBINGTON INDUSTRIES JULY 2023

## **DISCLAIMER:**

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