

## **MATERIAL SAFETY DATA SHEET**

### **SODIUM CITRATE SOLUTION 10% w/v**

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

##### **Section 1: Chemical Product**

**Product Name:** SODIUM CITRATE SOLUTION 10% w/v

**CAS#:** Not available

**Chemical Name:** SODIUM CITRATE SOLUTION 10% w/v

**Chemical Formula:** Not available.

**Brand :** OXFORD

##### **Details Of The Supplier Of The Safety Data Sheet :**

**Company identification:**      **OXFORD LAB FINE CHEM LLP**  
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#### **Section 2: Composition and Information on Ingredients**

##### **Composition:**

| Name                     | CAS #     | % by Weight |
|--------------------------|-----------|-------------|
| Sodium citrate dihydrate | 6132-04-3 | 10          |
| Water                    | 7732-18-5 | 90          |

**Toxicological Data on Ingredients:** Sodium citrate dihydrate LD50: Not available. LC50: Not available.

## Section 3: Hazards Identification

### Potential Acute Health Effects:

Slightly hazardous in case of eye contact (irritant), of ingestion, of inhalation. Non-corrosive for skin. Non-irritant for skin. Non-sensitizer for skin. Non-permeator by skin.

### Potential Chronic Health Effects:

Non-corrosive for skin. Non-irritant for skin. Non-sensitizer for skin. Non-permeator by skin. Non-irritating to the eyes. Non-hazardous in case of ingestion. Non-hazardous in case of inhalation. CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to lungs, mucous membranes. Repeated or prolonged exposure to the substance can produce target organs damage.

## Section 4: First Aid Measures

**Eye Contact:** Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used.

**Skin Contact:** No known effect on skin contact, rinse with water for a few minutes.

**Serious Skin Contact:** Not available.

**Inhalation:** Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

**Serious Inhalation:** Not available.

**Ingestion:** Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

**Serious Ingestion:** Not available.

## Section 5: Fire and Explosion Data

**Flammability of the Product:** Non-flammable

**Auto-Ignition Temperature:** Not available.

**Flash Points:** Not available.

**Flammable Limits:** Not available.

**Products of Combustion:** Not available.

## Section 5: Fire and Explosion Data (Continued)

**Fire Hazards in Presence of Various Substances:** Not available.

**Explosion Hazards in Presence of Various Substances:** Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

**Fire Fighting Media and Instructions:** Not available.

**Special Remarks on Fire Hazards:** Not available.

**Special Remarks on Explosion Hazards:** Not available.

## Section 6: Accidental Release Measures

### Small Spill:

Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. If necessary: Neutralize the residue with a dilute solution of acetic acid. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

### Large Spill:

Absorb with an inert material and put the spilled material in an appropriate waste disposal. Neutralize the residue with a dilute solution of acetic acid. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

## Section 7: Handling and Storage

### Precautions:

No specific safety phrase has been found applicable for this product.

**Storage:** No specific storage is required. Use shelves or cabinets sturdy enough to bear the weight of the chemicals. Be sure that it is not necessary to strain to reach materials, and that shelves are not overloaded.

## Section 8: Exposure Controls/Personal Protection

### Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value

### Personal Protection:

Safety glasses. Lab coat.

### Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

## Section 9: Physical and Chemical Properties

|                               |                                                                   |
|-------------------------------|-------------------------------------------------------------------|
| Physical state and appearance | : Liquid.                                                         |
| Odor                          | : Not available.                                                  |
| Taste                         | : Not available.                                                  |
| Molecular Weight              | : Not available.                                                  |
| Color                         | : Not available.                                                  |
| pH (1% soln/water)            | : Basic                                                           |
| Boiling Point                 | : The lowest known value is 100°C (212°F) (Water).                |
| Melting Point                 | : Not available.                                                  |
| Critical Temperature          | : Not available.                                                  |
| Specific Gravity              | : The only known value is 1 (Water = 1) (Water).                  |
| Vapor Pressure                | : The highest known value is 17.535 mm of Hg (@ 20°C) (Water).    |
| Vapor Density                 | : The highest known value is 0.62 (Air = 1) (Water)               |
| Volatility                    | : Not available.                                                  |
| Odor Threshold                | : Not available.                                                  |
| Water/Oil Dist. Coeff.        | : Not available.                                                  |
| Ionicity (in Water)           | : Not available.                                                  |
| Dispersion Properties         | : See solubility in water.                                        |
| Solubility                    | : Easily soluble in cold water, hot water. Insoluble in methanol. |

# OXFORD LAB FINE CHEM LLP

ISO 9001-2008 Certified Company

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## Section 10: Stability and Reactivity Data

|                                                |                                       |
|------------------------------------------------|---------------------------------------|
| <b>Stability</b>                               | : The product is stable.              |
| <b>Instability Temperature</b>                 | : Not available.                      |
| <b>Conditions of Instability</b>               | : Not available.                      |
| <b>Incompatibility with various substances</b> | : Not available.                      |
| <b>Corrosivity</b>                             | : Non-corrosive in presence of glass. |
| <b>Special Remarks on Reactivity</b>           | : Not available.                      |
| <b>Special Remarks on Corrosivity</b>          | : Not available.                      |
| <b>Polymerization</b>                          | : No                                  |

## Section 11: Toxicological Information

### Routes of Entry:

Not available

### Toxicity to Animals :

LD50: Not available. LC50: Not available.

### Chronic Effects on Humans:

The substance is toxic to lungs, mucous membranes.

### Other Toxic Effects on Humans:

Slightly hazardous in case of ingestion, of inhalation. Non-corrosive for skin. Non-irritant for skin. Non-sensitizer for skin. Non- permeator by skin.

### Special Remarks on Toxicity to Animals:

Not available.

### Special Remarks on Chronic Effects on Humans:

Not available.

## Section 12: Ecological Information

### Ecotoxicity:

Not available.

### BOD5 and COD:

Not available.

### Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

## Section 12: Ecological Information (Continued)

### **Toxicity of the Products of Biodegradation:**

The products of degradation are more toxic.

**Special Remarks on the Products of Biodegradation:** Not available.

## Section 13: Disposal Considerations

**Waste Disposal:** Not available.

## Section 14: Transport Information

### Land transport (ADR-RID)

**General information :** Not regulated.

### Sea transport (IMDG) [English only]

**General information :** Not regulated.

### Air transport (ICAO-IATA) [English only]

**General information :** Not regulated.

## Section 15: Other Regulatory Information

**Federal and State Regulations:** TSCA 8(b) inventory: Sodium citrate dihydrate; Water

**Other Regulations:** OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

### **Other Classifications:**

**WHMIS (Canada):** CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

**DSCL (EEC):** This product is not classified according to the EU regulations.

**HMIS (U.S.A.):**

**Health Hazard:** 1

**Fire Hazard:** 0

**Reactivity:** 0

**Personal Protection:** a

## Section 15: Other Regulatory Information (Continued)

**National Fire Protection Association (U.S.A.):**

**Health:** 1

**Flammability:** 0

**Reactivity:** 0

**Specific hazard:**

**Protective Equipment:**

Not applicable. Lab coat. Wear appropriate respirator when ventilation is inadequate. Safety glasses.

## Section 16 - Additional Information

**References:** Not available.

**Other Special Considerations:** Not available.

### ***Disclaimer:***

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