

MATERIAL SAFETY DATA SHEET

Section I: IDENTIFICATION

Product Name: **Sodium Citrate Solution 3 to 4%
W/V**

Date Prepared: 02/04 *Date Revised*:* 11/06

Item Number(s): 400514, 400528

Emergency Phone, Infotrac: 800-535-5053

Section II: INGREDIENTS

<i>Component(s):</i>	<i>CAS Number</i>	<i>OSHA PEL, ACGIH TLV/STEL</i>	<u>NFPA</u>	
Sodium Citrate	68-04-2	NA	Health	2
			Flammability	0
			Reactivity	0

Section III: PHYSICAL DATA

<i>Boiling Point:</i>	212°F	<i>Specific Gravity (H₂O = 1):</i>	~1
<i>Vapor Pressure mm Hg/20 °C:</i>	NE	<i>Percent Volatile by Vol:</i>	NA
<i>Vapor Density (Air 1:1):</i>	NE	<i>Evaporation Rate (ether = 1):</i>	>1
<i>Solubility in H₂O:</i>	Complete	<i>Appearance & Odor:</i>	Clear liquid, odorless

Section IV: FIRE/EXPLOSION HAZARD

Flash Point: Non-Flammable *Flammable Limits:* LEL: NA UEL: NA

Extinguishing Media: Water Spray, dry chemical, CO₂ and foam

Special Fire Fighting Procedures: Wear protective clothing with NIOSH approved breathing apparatus. Products of combustion may be harmful in a fire situation. Do not use direct water stream.

Unusual Fire & Explosion Hazards: Oxides of carbon

Section V: REACTIVITY

Stability: Stable *Material to Avoid:* Strong acids

Hazardous Decomposition or Byproducts: Oxides of carbon Some metallic oxides

Hazardous Polymerization: Does not occur *Conditions to Avoid:* Normal laboratory care

Section VI: HEALTH HAZARDS

Routes of Entry: Inhalation, Skin and Ingestion

Acute/Chronic: Product is not expected to cause health hazards when utilizing good laboratory practices.

Carcinogenicity: Not classified as a human carcinogen.

Signs/Symptoms of Exposure: Possible eye and skin irritant.

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Section VI: HEALTH HAZARDS

Emergency First Aid:

- Skin:** Remove contaminated clothing and change. Wash affected skin area with soap and water.
- Eyes:** Thoroughly flush eyes with water. Contact a physician if irritation persist.
- Ingestion:** Rinse mouth thoroughly with water, provided person is conscious and contact a physician.
- Inhalation:** Remove person to fresh air. If not breathing, give artificial respiration and contact physician.

Section VII: SAFE HANDLING

Chemical Release or Spill: Isolate the spill area with sand, or other absorbent material. Place all contaminated material in a closed container for disposal.

Waste Disposal Method: All liquid and or contaminated material should be disposed of in DOT approved waste containers. Comply with all Federal, State and Local regulations for disposal.

Precautions for Handling and Storing: Normal laboratory care

Section VIII: CONTROL MEASURES

Respiratory Protection: Not normally required.

Ventilation: Mechanical exhaust is sufficient

Protective Gloves: Chemical resistant *Eye Protection:* Safety glasses

Other Protective Clothing or Equipment: Normal laboratory apparel as suggested by Good Laboratory Practices

Work/Hygienic Practices: Wash thoroughly with soap and water after handling.

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. HealthLink shall not be held liable for any damage resulting from handling or contact with this product.

*Change due to customer request. No substantial changes since prepared date.

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