

MATERIAL SAFETY DATA SHEET

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MSDS No. 9430904 9431006
Effective Date: November 11, 2002

SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	Sodium Citrate	<p>416-984-3000</p> <p>HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4</p> <p>WHMIS HEALTH 0 FLAMMABILITY 0 REACTIVITY 0</p>
Chemical Synonyms	Trisodium Citrate	
Formula	Na ₃ C ₆ H ₅ O ₇ ·2H ₂ O	
CAS No.	6132-04-3	

SECTION II DANGEROUS INGREDIENTS

Name	%	TLV Units
Sodium citrate, dihydrate	100%	N/A

CAUTION!

SECTION III PHYSICAL DATA

Melting Point (°C)	Loses H ₂ O @ 150°C	Specific Gravity (H ₂ O = 1)	1.8
Boiling Point (°C)	Decomposes.	Percent Volatile by Volume (%)	Negligible.
Vapor Pressure (mm Hg)	Negligible.	Evaporation Rate (= 1)	N/A
Vapor Density (Air=1)	Not applicable.		
Solubility in Water	72% @ 25°C.		
Appearance & Odor	White crystalline powder; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash point	Combustible.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Firefighting Procedures	Use dry chemical, CO ₂ , alcohol foam, or water spray. In fire conditions, fire-fighters should wear an appropriate mask or a self-containing breathing apparatus.				

Flammability and Explosion Hazards

Dust dispersed in air becomes explosive when exposed to ignition source. Fire or excessive heat may produce hazardous decomposition products to be produced as dust or fume.

TDG Not a TDG controlled material.

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SECTION V REACTIVITY DATA SS0480

Chemical Stability	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	If no, under what conditions?
Incompatible with Other products	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Strong oxidizers.

Hazardous Decomposition Products: Carbon and sodium oxides.

Reactive under what conditions: Excessive temperature, heat and direct sunlight.

SECTION VI TOXICOLOGICAL PROPERTIES

Route of Entry: Inhalation. Ingestion.

TLV: Not available.

Toxicity for animals: Not available.

Chronic effects on humans: There are no known effects from chronic exposure to this product. Target organs: None known.

Acute effects on humans: May be harmful if inhaled or swallowed. Contact may cause irritation to the skin and eyes.

SECTION VII PREVENTIVE MEASURES

Waste Disposal: Discharge, treatment, or disposal may be subject to local laws. Consult your local or regional authorities.

Storage: Keep container in a cool, well ventilated place. Keep away from heat. Keep away from incompatible materials. Keep away from sources of ignition and open flames.

Precautions: Avoid contact with skin and eyes. Do not breathe dust. Use with adequate ventilation. Do not ingest. If ingested, seek immediate medical attention.

Spill or leak: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Wash spill area with soap and water.

Protective Clothing: Gloves, safety glasses, lab coat, dust respirator.

SECTION VIII FIRST AID MEASURES

Specific first aid measures: Ingestion: Call physician or Poison Control Center immediately. Induce vomiting only if advised by the appropriate medical personnel. Eye contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention. Skin contact: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Inhalation: Move victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Allow victim to rest in a well ventilated area. Seek immediate medical attention.

SECTION IX PREPARATION OF THE MSDS

Rev. No. 2 Date November 11, 2002 Approved Michael Raszeja