

MATERIAL SAFETY DATA SHEET

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 Revision Date: December 16, 2011
 Approved by: Darius Nicpon

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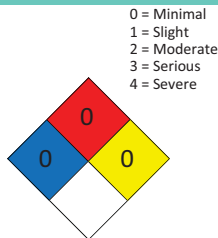
Section 1 Chemical Product and Company Name		
Product	SODIUM CITRATE, 3%	ITEM No: CASE-B012
Synonyms	Not available	
CHEMTREC	24 Hour Emergency Phone Number (800) 424-9300	

Section 2 Composition/Ingredients Information			
Chemical Name	CAS#	%	TLV Units
Water	7732-18-5	97%	Not established
Trisodium citrate	6132-04-3	3%	Not established

Section 3 Hazards Identification			
CAUTION! MAY CAUSE EYE IRRITATION.	0 = Minimal	Health	1
	1 = Slight	Flammability	0
	2 = Moderate	Physical Hazard	0
	3 = Serious	Personal Protection	C
	4 = Severe		
HMIS			

Section 4 First Aid Measures	
INGESTION: Never give anything by mouth to unconscious person. Rinse mouth and get conscious person drink a glass of milk or water. Do NOT induce vomiting unless directed to do so by medical personnel. Get immediate medical attention.	
INHALATION: Remove to fresh air. Get medical attention if necessary.	
EYE CONTACT: Wash immediately with plenty of water, and continue washing for at least 15min., occasionally lifting upper and lower eyelids. Seek medical attention immediately.	
SKIN CONTACT: Flush thoroughly with mild soap and water. Remove contaminated clothing. Get medical attention if irritation or burns develop.	

Section 5 Fire Fighting Measures	
Non flammable liquid.	
Extinguishing Media: Use TriClass, dry chemical extinguisher or water spray for surrounding fires. Firefighters should use self-contained breathing apparatus and protective clothing.	
Flash point: N/A	
Autoignition temperature: N/A	
Explosion limits: Lower: N/A	Upper: N/A



Section 6 Accidental Release Measures	
Restrict unprotected personnel from the area. Contain the spill with an inert absorbent material and deposit in a sealed bag or container. For small spill use paper towel. Place the wet medium in trash. Ventilate and wash spill area with soap and water.	

Section 7 Handling and Storage	
Read label on container before using. Do not wear contact lenses when working with chemicals. Keep container tightly closed. For laboratory use only. Not for drug, food or household use. Use only under adult supervision.	
Handling: Use with adequate ventilation. Avoid breathing vapor. Wash hands thoroughly after handling.	
Storage: Keep container in cool, well-ventilated area.	

Section 8 Exposure Controls/ Personal Protection	
Engineering controls: Avoid contact with eyes, skin, and clothing. Wear chemical splash goggles, chemical-resistant gloves, and chemical-resistant apron. Use ventilation to keep airborne concentrations below exposure limits.	
Respiratory protection: Non should be needed if normal laboratory handling at room temperature.	

Section 9 Physical and Chemical Properties	
Physical state: Liquid	Boiling point: 212°F/100°C
Appearance: Transparent.	Melting point: ~0 °C/32 °F
Odor: No odor	Freezing point: 0 °C/32 °F
pH: Not available	Decomposition temp: not available
Vapor Pressure (mm Hg): 2.3kPa at 20 °C	Solubility: Miscible.
Vapor Density: 0.63 (Air=1)	Specific gravity (H₂O = 1): 1.01 at 20°C
Evaporation Rate: not available	Percent volatile (%): 100 Wt%
Viscosity: not available	Molecular formula: Mixture
	Molecular weight: Mixture

Section 10 Stability and Reactivity	
Chemical Stability: Stable	
Conditions to Avoid: Not available.	
Incompatibilities: Not available.	
Hazardous decomposition: Not available.	
Hazardous polymerization: Will not occur.	

Section 11 Toxicological Information	
Effects of overexposure: Eye: May irritate eyes. Skin: Not expected to cause any acute reactions. Inhalation: Not expected to cause any acute reactions. Ingestion: Ingesting of large quantities may cause gastrointestinal tract irritation/disturbances.	
ORAL LD ₅₀ : Not available	

Section 12 Ecological Information	
Data not available.	

Section 13 Disposal Considerations	
Disposal of in accordance with all local, state, and federal regulations, or contact with a licensed chemical disposal agency.	

Section 14 Transport Information	
UN number: Not available	
Shipping name: Not controlled.	
Hazard Class: N/A	
Packing group: N/A	
Exceptions: N/A	

Section 15 Regulatory Information	
TSCA-listed.	

Section 16 Other Information	
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