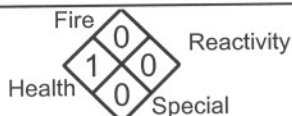


HAZARD RATING

4-EXTREME
3-HIGH
2-MODERATE
1-SLIGHT



MATERIAL SAFETY DATA SHEET

(Prepared according to 29 CFR 1910. 1200)

Date Prepared: 3-11-05

SECTION 1 - PRODUCT IDENTIFICATION

Company Name	Cardinal Chemical Systems, Inc.	Emergency Telephone No.	314-757-6182
Address	P.O. Box 45007, St. Louis, MO 63145-5007	Information Telephone No.	314-757-6182
Product Name / ID#	Liquid Softener (300305)	Product Type	Fabric Softener <input checked="" type="checkbox"/> Proprietary Product

SECTION 2 - HAZARDOUS INGREDIENTS

Chemical Name/Common Name	Cas No.	Percent (optional)	TLV (Source)
None			

☐ * Substances ☒ Contains no substances - subject to the reporting requirements of SARA 313 and 40 CFR Part 372.

SECTION 3 - PHYSICAL DATA

Boiling Point (°F)	approx 212°F	Specific Gravity (H ₂ O=1.0)	0.996 ± 0.005	pH	7.5 ± 0.5	% VOC (ww)	1.3
Solubility In Water	<input checked="" type="checkbox"/> Complete <input type="checkbox"/> Insoluble <input type="checkbox"/> Emulsifiable or (Dispersible) <input type="checkbox"/> Slight (or Partial)						
Evaporation Rate (vs H ₂ O)	<input type="checkbox"/> Faster <input type="checkbox"/> Slower <input checked="" type="checkbox"/> About the Same						
Vapor Pressure	NA	Vapor Density	NA				

Appearance and Odor Opaque turquoise liquid. Baby powder odor.

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (T.C.C.)	<input checked="" type="checkbox"/> None to boiling	Flammable Limits	Upper	NA	Lower	NA
Extinguishing Media	NA					
Special Fire Fighting Procedures	None					
Unusual Fire Explosion Hazards	None					

SECTION 5 - REACTIVE DATA

Stability	Stable	Incompatibility	Strong oxidizing agents
Hazardous Decomposition Products	Ammoniacal vapors; Oxides of Carbon and Nitrogen		

SECTION 6 - HEALTH HAZARDS

Threshold Limit Value Product See Section 2 for Ingredients TLV	<input checked="" type="checkbox"/> None Established <input type="checkbox"/> Not Applicable	Primary routes of Exposure	<input checked="" type="checkbox"/> Eyes <input checked="" type="checkbox"/> Skin <input checked="" type="checkbox"/> Oral <input checked="" type="checkbox"/> Inhalation
Signs Symptoms of Over-exposure (Acute)	Contact with eyes can cause irritation. Prolonged or repeated contact with skin may cause irritation. Mist or vapors may irritate nasal passages with excessively high volumes causing nausea and disorientation.		
Signs Symptoms of Over-exposure (Chronic)	Unknown		
Medical Conditions Aggravated by Over-exposure	Unknown		
Carcinogen/Suspected Carcinogen Ingredients:	<input type="checkbox"/> NTP <input type="checkbox"/> IARC <input type="checkbox"/> OSHA <input checked="" type="checkbox"/> None		

SECTION 7 - FIRST AID PROCEDURES - (If any Condition persists - Consult a physician.)

Eyes	Flush with plenty of water for at least 15 minutes.
Skin	Remove any contaminated clothing & wash before reuse. Wash off thoroughly with water.
Ingestion	Drink two glasses of water to dilute. Contact physician immediately.
Inhalation	Remove to fresh air. If qualified give oxygen or artificial respiration as needed and/or seek medical help.

SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection	None normally needed. Under excessively high vapor conditions use organic vapors respirator.
Ventilation requirements	<input checked="" type="checkbox"/> Local Exhaust <input checked="" type="checkbox"/> Mechanical As needed for general good ventilation.
Protective Gloves	Rubber - if prolonged contact
Eye Protection	Safety glasses or goggles
Other Protective Clothing	None. However handling large volume of material may warrant additional impervious clothing

SECTION 9 - SPILL OR LEAK PROCEDURES

Steps to be Taken if Released or Spilled	Contain spill. Soak up with absorbent or vacuum up and put into appropriate container for disposal. Flush residue with water.
Waste Disposal Methods	Check all government regulations. Incineration or approved landfill are probable.

SECTION 10 - STORAGE AND HANDLING INFORMATION

Precautions to be Taken in handling and Storage	Keep out of reach of children. Wash thoroughly after handling.
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