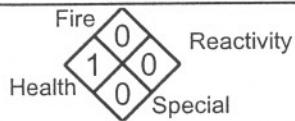


HAZARD RATING

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 ☒ 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 (H₂O=1.0) 0.996 ± 0.005 pH 7.5 ± 0.5 % VOC (ww) 1.3
 Solubility In Water ☒ Complete ☐ Insoluble ☐ Emulsifiable or (Dispersible) ☐ Slight (or Partial)
 Evaporation Rate (vs H₂O) ☐ Faster ☐ Slower ☒ 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.) ☒ 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 ☒ None Established ☐ Not Applicable Primary routes of Exposure ☒ Eyes ☒ Skin ☒ Oral ☒ 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: ☐ NTP ☐ IARC ☐ OSHA ☒ 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 ☒ Local Exhaust ☒ 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.