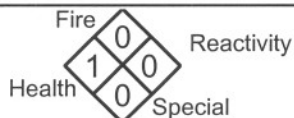


HAZARD RATING

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



MATERIAL SAFETY DATA SHEET

(Prepared according to 29 CFR 1910. 1200)

Date Prepared: 3-10-05

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# Blue Detergent (300879) Product Type Laundry Detergent ☒ Proprietary Product

SECTION 2 - HAZARDOUS INGREDIENTS

Chemical Name/Common Name	Cas No.	Percent (optional)	TLV (Source)
Sodium Dodecylbenzene Sulfonate	25155-30-0	< 5%	NA

☐ * 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) 1.017 ± 0.005 pH 9.5 ± 0.5 % VOC (ww) < 0.1%
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 Clear, blue slightly viscous liquid. Neutral 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 NA
Unusual Fire Explosion Hazards NA

SECTION 5 - REACTIVE DATA

Stability Stable Incompatibility Strong oxidizers
Hazardous Decomposition Products Oxides of carbon, nitrogen & sulfur under fire conditions

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) May be irritating to the eyes. Prolonged contact may be irritating to the skin. Ingestion may cause vomiting, mild diarrhea, or nausea.

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 water for 10-15 minutes.
Skin Wash with water for 10-15 minutes. Remove any contaminated clothing and wash before reuse.
Ingestion Give 2 glasses of water and induce vomiting or give plenty of water to dilute. Consult physician.
Inhalation NA

SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection None normally needed
Ventilation requirements ☐ Local Exhaust ☐ Mechanical No special requirements.
Protective Gloves Rubber-if prolonged contact Eye Protection Safety glasses/goggles
Other Protective Clothing None

SECTION 9 - SPILL OR LEAK PROCEDURES

Steps to be Taken if Released or Spilled Mop up. Rinse residue down with water.

Waste Disposal Methods Probable to flush to sanitary sewer system with plenty of water. Check all government regulations.

SECTION 10 - STORAGE AND HANDLING INFORMATION

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