

HAZARD RATING 4-EXTREME 3-HIGH 2-MODERATE 1-SLIGHT	<div>Fire 2 1 0 Health 0 Special Reactivity</div>
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MATERIAL SAFETY DATA SHEET

(Prepared according to 29 CFR 1910. 1200)

Date Prepared: 6-18-07

SECTION 1 - PRODUCT IDENTIFICATION			
Company Name Cardinal Chemical Systems		Emergency Telephone No. 1-800-535-5053	
Address P.O. Box 45007, St. Louis, MO 63145-5007		Information Telephone No. 773-523-8320	
Product Name / ID# Laundry PreSpotter (300887)		Product Type Emulsifier for Laundry Use <input checked="" type="checkbox"/> Proprietary Product	
SECTION 2 - HAZARDOUS INGREDIENTS			
Chemical Name/Common Name	Cas No.	Percent (optional)	TLV (Source)
Isopropanol	67-63-0	< 5%	400 ppm
<input checked="" type="checkbox"/> * Substances <input type="checkbox"/> 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) 1.000 ± 0.005	pH 7.0 ± 0.5	% VOC (ww) 4.3%
Solubility In Water NA	<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 Clear colorless slightly visocus liquid. Slight alcohol odor.			
SECTION 4 - FIRE AND EXPLOSION HAZARD DATA			
Flash Point (T.C.C.) >150°F	<input type="checkbox"/> None to boiling Flammable Limits Upper NA Lower NA		
Extinguishing Media Carbon dioxide (CO2), dry chemical, foam, water fog.			
Special Fire Fighting Procedures None			
Unusual Fire Explosion Hazards None			
SECTION 5 - REACTIVE DATA			
Stability Stable	Incompatibility None		
Hazardous Decomposition Products On burning carbon monoxide and dioxide			
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 will cause redness and irritation to the eyes and skin. Mayc ause gastro intestinal irritation if swallowed. Excessive inhalation of mists or vapors may cause headache or dizziness.			
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 water for 15 minutes.			
Skin Flush with water for 15 minutes. Remove any contaminated clothing and wash before reuse.			
Ingestion Give quantities of water to dilute. Induce vomiting only as directed by a doctor. Call physician.			
Inhalation Remove to fresh air. If qualified, give oxygen or artificial respiration as necessary.			
SECTION 8 - SPECIAL PROTECTION INFORMATION			
Respiratory Protection Normal ventilation			
Ventilation requirements <input checked="" type="checkbox"/> Local Exhaust <input checked="" type="checkbox"/> Mechanical To keep below any listed TLV's and/or for general good ventilation.			
Protective Gloves Rubber gloves		Eye Protection Safety goggles	
Other Protective Clothing None			
SECTION 9 - SPILL OR LEAK PROCEDURES			
Steps to be Taken if Released or Spilled Mop up. Rinse with water.			
Waste Disposal Methods Probable to flush to sanitary sewer system. Check all government regulations.			
SECTION 10 - STORAGE AND HANDLING INFORMATION			
Precautions to be Taken in handling and Storage Keep out of reach of children. Keep away from spark or flame.			
Wash thoroughly after handling.			