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## MATERIAL SAFETY DATA SHEET

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Product Name: LOYAL™ SG LAUNDRY DETERGENT  
Chemical or Common Name: LAUNDRY DETERGENT  
Prepared By: Jeffrey Adler

Product Code: 5010  
Date Issued:07/121/07  
Supercedes:05/01/05

### 1. Hazardous Information

Chemical Name	Cas Numbers	Weight %	Exposure Information
Sodium Metasilicate	6834-92-09	7-12	None

### 2. Physical Data

Solubility in Water: Complete	Specific Gravity (Water=1): ND	Melting or Freezing Point: ND
Boiling Point: ND	Vapor Density (air=1): ND	Viscosity:ND
Percent Volatile (By Wt): ND	pH: 1% 11.96 ± .5	Appearance-Odor: White powder
Vapor Pressure (MM HG): ND	Evaporation Rate (BU AC=1): ND	

### 3. Fire and Explosion Data

**Extinguishing Media** Foam X CO2 X Dry Chemical X water Fog X Other

Flash Point: ND Auto ignition Temp: ND Lower Explosion Limit: ND Upper Explosion Limit: ND

**Special Fire Fighting Procedures:** Normal fire fighting procedures may be used. Cool and use caution when approaching or handling fire exposed containers.

**Unusual Fire & Explosion Hazards:** None Noted

### 4. Health Data

Recommended Health Guide TWA (Maximum Time Weighted Average Concentration For An 8 Hour Work Period). **ND**

**Effects of Overexposure:** SKIN: Possible skin rash. EYE: mild irritation cause irritation and nausea if taken internally. Prolonged or repeated contact of product with skin may cause irritation. Product spray or mist may cause irritation to nose, throat and lungs, if adequate ventilation is not employed.

#### Emergency and First Aid Procedures

**Inhalation:** If difficulty or discomfort in breathing is experienced, remove to fresh air and get medical attention.**Eye & Skin Contact:** Flush eyes with water for 15 minutes. If irritation persists, consult a physician. Wash skin thoroughly. If irritation persists, consult a physician.**Ingestion:** Do not induce vomiting. Drink large quantities of water or milk. Call a physician immediately.

## 5. Reactivity Data

**Stability:** STABLE

**Conditions To Avoid:** NONE NOTED

**Hazardous Decomposition Products:**When exposed to fire , produces normal products of combustion.

**Hazardous Polymerization:** WILL NOT OCCUR

**Conditions To Avoid:** NONE NOTED

**Incompatibility (Materials To Avoid):** MOISTURE

## 6. Spill or Leak Procedure

**Steps to be taken if material is released or spilled:** Sweep up and Containerize. Rinse affected area with water.

**Waste Disposal Information:** For undiluted material disposal is regulated under the Resource Conservation and Recovery act as corrosive waste. Disposal for regulated quantities by neutralization at a permitted facility in accordance with all Federal, State and Local regulations.

## 7. Special Protection Information

**Respiratory Protection (Specify Type):** No special requirements under normal use. If mist/vapors are not adequately controlled by local ventilation, use appropriate respiratory protection to prevent overexposure.

**Ventilation:** Normal room ventilation should be adequate.

**Protective Gloves:** Rubber or PVC

**Eye Protection:** Splash proof goggles where eye contact may occur.

**Other Protective Information:** If available

## 8. Special Precautions

**Precautionary Labeling:** Keep out of the reach of children. Avoid eye contact. Wash hands after using material.

**Other Handling And Storage Conditions:** Store in a cool dry area.

## 9. Additional Information

Containers, even those that have been emptied, will retain product residue and vapors. Always obey hazard warnings and handle empty containers as if they are full.

## 10. Health Hazard Rating

0-Insignificant	1-Slight	2-Moderate	3-High	4-Extreme
Health 1	Fire 0	Reactivity 1	Special 0	

**NA-** Not Applicable **ND-** Not Determined

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