



## MATERIAL SAFETY DATA SHEET

### Section 1 – PRODUCT AND SAFETY SUPPLIER INFORMATION

Product Name: Drierite Crystals  
Common Name: Dessicant  
Supplier: Lightning Powder Company, Inc.  
13386 International Parkway, Jacksonville, FL 32218  
Emergency Telephone: Chemtel® United States (800) 255-3924 International – 813-248-0585 (Collect)  
Date Prepared: November 12, 2002

### Section 2 – HAZARDOUS INGREDIENTS

<u>Ingredient</u>	<u>CAS#</u>	<u>Percent</u>	<u>PEL (OSHA)</u>	<u>TLV (ACGIH)</u>
Cobaltous Chloride	7646-79-9	3	0.1 mg/m <sup>3</sup>	0.05 mg/m <sup>3</sup>

### Section 3 – PHYSICAL/CHEMICAL PROPERTIES

Appearance and Odor:	Blue granules with no odor.
Specific Gravity: 1.87	Stability in Water: 0.3% soluble
Boiling Point: n/a	Melting Point: n/a
Vapor Density: n/a	Vapor Pressure (mmHg): n/a
Evaporation Rate: n/a	Percent Volatile: n/a

### Section 4 – FIRE AND EXPLOSION DATA

Flash Point: n/a UEL: n/a LEL: n/a  
Extinguishing Media: Water  
Firefighting Procedures: No special procedures.  
Unusual Fire and Explosion Hazards: None

### Section 5 – REACTIVITY DATA

Stability: Yes Hazardous Polymerization: No  
Incompatibilities: Strong oxidizing agents.  
Hazardous Decomposition Products: Chlorine.



## **Section 6 – HEALTH HAZARD INFORMATION**

Health Hazards: May cause eye, skin, and respiratory irritation. If ingested, may cause vomiting, diarrhea, and a sensation of hotness. Excessive inhalation or ingestion of cobalt salts may affect the kidneys, lungs, and thyroid.

Routes of Entry and First-Aid Procedures:

Eyes: Flush with water for at least 15 minutes.

Inhalation: Remove affected person to fresh air and administer artificial respiration or give oxygen as needed. Seek medical attention.

Skin: Wash with mild soap and water.

Ingestion: Give two glasses of water and induce vomiting immediately. Call a physician.

Symptoms of Exposure: Irritation at entry route.

Medical Conditions Aggravated by Exposure: Respiratory conditions and skin diseases.

## **Section 7 – EXPOSURE CONTROLS**

Respirator Protection: NIOSH/OSHA approved for dust.

Ventilation: Sufficient to maintain OSHA PEL.

Protective Gloves: Impervious

Eye Protection: Side shield

safety glasses or goggles.

Other Protective Equipment: As needed in case of exposure.

Work and Hygienic Practices: Good housekeeping procedures should be followed to minimize dust.

## **Section 8 – SPILL OR LEAK PROCEDURES**

Steps to be taken if material is spilled or released: Ventilate spill area. Collect material into appropriate containers for reuse or disposal. Material may also be flushed with water to a wastewater treatment system.

Waste Disposal Method: At an approved landfill in accordance with local, state, and federal regulations, or flushed with water to a wastewater treatment system.

## **Section 9 – PRECAUTIONS FOR SAFE HANDLING AND USE**

Special Precautions: Avoid breathing dust and contact with skin and eyes. Wash thoroughly after handling.

Storage Method: Keep in closed containers. Avoid generating dust.



## **Section 10 – TOXICOLOGICAL DATA**

Carcinogenicity:

NPT: No

OSHA: No

IARC: No

Acute Inhalation LC50: No data

Acute Dermal LD50: No data

Acute Oral LD50: No data

## **Section 11 – ECOLOGICAL DATA**

The ecological effects of this product have not been thoroughly investigated.

## **Section 12 – TRANSPORTATION IDENTIFICATION**

Proper Shipping Name: Not regulated

Identification Number: n/a

Hazard Class: n/a

Packing Group: n/a