



## MATERIAL SAFETY DATA SHEET

### Section 1 – PRODUCT AND SAFETY SUPPLIER INFORMATION

Product Name: Replacement CO2 Cartridges  
Common Name: Carbon Dioxide Chargers  
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>
Carbon Dioxide	124-38-9	100	No data	5000 ppm

### Section 3 – PHYSICAL/CHEMICAL PROPERTIES

Appearance and Odor: Colorless, odorless, gas.  
Specific Gravity: n/a Stability in Water: Soluble  
Boiling Point: - 109 deg. F Melting Point: -78.5 Deg. C  
Vapor Density: 1.53 Vapor Pressure (mmHg): n/a  
Evaporation Rate: n/a Percent Volatile: n/a

### Section 4 – FIRE AND EXPLOSION DATA

Flash Point: None UEL: n/a LEL: n/a  
Extinguishing Media: n/a  
Firefighting Procedures: n/a  
Unusual Fire and Explosion Hazards: n/a

### Section 5 – REACTIVITY DATA

Stability: Yes Hazardous Polymerization: No  
Incompatibilities: No data  
Hazardous Decomposition Products: None identified.



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

Health Hazards: Contact of solid form is damaging to skin and tissue (frostbite, blisters).  
Routes of Entry and First-Aid Procedures: Gas phase of product for inhalation only.

Eyes: n/a

Inhalation: Remove affected person to fresh air. Seek medical attention if unconscious.

Skin: n/a

Ingestion: n/a

Signs and Symptoms of Exposure: Headache, dizziness, restlessness and paresthesia, dyspnea, sweating, malaise, increased heart rate and cardiac output, elevated blood pressure, coma, asphyxia, convulsions.

Medical Conditions Aggravated by Exposure: None identified.

## **Section 7 – EXPOSURE CONTROLS**

Respirator Protection: SCBA for levels above TLV.

Ventilation: As required to keep concentrations below TLV.

Protective Gloves: Non-permeable

Eye Protection: Goggles

Other Protective Equipment: None

Work and Hygienic Practices: Use safe practices and hygiene typical of an industrial environment.

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

Steps to be taken if material is spilled or released: Avoid contact with solid form. Allow to evaporate into open air.

Waste Disposal Method: Do not dispose of sealed, full containers. Release gas by piercing disk in an approved manner.

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

Special Precautions: Do not mutilate full containers. Do not throw into fire.

Storage Method: Do not store containers at temperatures above 120 deg. F, nor under glass, nor in direct sunlight.

## **Section 10 – TOXICOLOGICAL DATA**

Carcinogenicity:

NPT: No

OSHA: No

IARC: No

Acute Inhalation LC50: No data available

Acute Dermal LD50: n/a

Acute Oral LD50: n/a



### **Section 11 – ECOLOGICAL DATA**

Carbon dioxide is a vital part of photosynthesis.

### **Section 12 – TRANSPORTATION IDENTIFICATION**

Proper Shipping Name: Carbon Dioxide (compressed gas)

Identification Number: UN1013    Hazard Class: 2.2

Packing Group: n/a