

### Section 1: Product and Company Identification

**Absolute Accuracy**  
4591 S Wayside Dr  
Houston, TX 77087  
(832) 571-2387

Product Code: Carbon Dioxide

### Section 2: Hazards Identification



**Warning**

**Hazard Classification:**

Gases Under Pressure

**Hazard Statements:**

Contains gas under pressure; may explode if heated

**Precautionary Statements**

**Storage:**

Protect from sunlight.  
Store in well-ventilated place.

### Section 3: Composition/Information on Ingredients

**CAS #**

**124-38-9**

**Chemical Substance**  
**CARBON DIOXIDE, GAS**

## Section 4: First Aid Measures

### Skin Contact

If frostbite or freezing occur, immediately flush with plenty of lukewarm water (105-115 F; 41-46 C). DO NOT USE HOT WATER. If warm water is not available, gently wrap affected parts in blankets. Get immediate medical attention.

## Section 5: Fire Fighting Measures

### Suitable Extinguishing Media

Non-flammable

## Section 6: Accidental Release Measures

### Personal Precautions

Keep unnecessary people away, isolate hazard area and deny entry. Ventilate closed spaces before entering. Do not touch.

### Methods for Cleanup

Stop leak, evacuate, remove source of ignition.

## Section 7: Handling and Storage

### Handling

Subject to storage regulations: U.S. OSHA 29 CFR 1910.101. Keep separated from incompatible substances.

## Section 8: Exposure Controls/Personal Protection

### Exposure Guidelines

**CARBON DIOXIDE, GAS: CARBON DIOXIDE: 5000 ppm (9000 mg/m<sup>3</sup>) OSHA TWA 10000 ppm (18000 mg/m<sup>3</sup>) OSHA TWA (va**

### Engineering Controls

Handle only in fully enclosed systems.

### Eye Protection

**For the gas: Eye protection not required, but recommended. For the liquid: Wear splash resistant safety goggles. Contact with eyes requires immediate work area.**

### General Hygiene considerations

- Avoid breathing vapor or mist
- Avoid contact with eyes and skin
- Wash thoroughly after handling and before eating or drinking

## Section 9: Physical and Chemical Properties

Physical State	Appearance
Gas	Colorless

<b>Flash Point</b>	<b>Flammable</b>
<b>Not flammable</b>	<b>Not available</b>

Boiling Point	Freezing Point	Vapor Pressure	Vapor Density	Specific Gravity	Water Solubility	pH	Odor Threshold	Evaporation Rate	Viscosity
<b>Not available</b>	-71 F (-57 C) @ 4000 mmHg	43700 mmHg @ 21 C	1.5 (Air=1)	1.522 @ 21 C	Soluble	3.7 (saturated aqueous solution) @ 101.3 kPa (carbonic acid)	Not available	Not applicable	0.01657 cP @ 0 C

<b>Molecular Weight</b>	<b>Molecular Formula</b>
<b>44.01</b>	<b>C-O2</b>

## Section 10: Stability and Reactivity

<b>Stability</b>
<b>Stable at normal temperatures and pressure.</b>

<b>Hazardous Decomposition Products</b>
<b>Carbon monoxide</b>

## Section 11: Toxicology Information

### Acute Effects

<b>Oral LD50</b>
<b>Not established</b>

<b>Eye Irritation</b>
<b>Irritation, frostbite, blurred vision</b>

### Chronic Effects

<b>Carcinogenicity</b>
<b>Not available</b>

## Section 12: Ecological Information

### Fate and Transport

<b>Eco toxicity</b>
<b>Fish toxicity: 150000 ug/L 48 day(s) (Mortality) Brown trout (Salmo trutta)</b>
<b>Invertebrate toxicity: Not available</b>
<b>Algal toxicity: Not available</b>
<b>Phyto toxicity: Not available</b>
<b>Other toxicity: Not available</b>

## Section 13: Disposal Considerations

<b>Dispose in accordance with all applicable regulations.</b>
---

# Section 14: Transportation Information

U.S. DOT 49 CFR 172.101

Proper Shipping Name	ID Number
Carbon dioxide	UN1013

## Canadian Transportation of Dangerous Goods

Shipping Name
Carbon dioxide

# Section 15: Regulatory Information

## U.S. Regulations

CERCLA Sections
Not regulated.

## SARA 370.21

Acute
Yes

## SARA 372.65

Not regulated.
----------------

## OSHA Process Safety

Not regulated.
----------------

## State Regulations

CA Proposition 65
Not regulated.

## Canadian Regulations

WHMIS Classification
A

## National Inventory Status

US Inventory (TSCA)
Listed on inventory.

# Section 16: Other Information

NFPA Rating
HEALTH=3 FIRE=0 REACTIVITY=0 SPECIAL=SA

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard