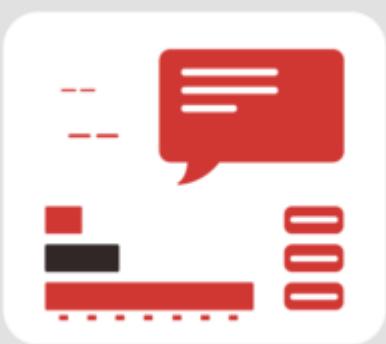


# CO2 Safety In Restaurants, Bars And Private Events Infographic



## UNDERSTANDING CARBON DIOXIDE HAZARDS IN FOOD AND BEVERAGE INDUSTRY

CGA Compressed Gas Association The Standard for Safety Since 1914

**CARBON DIOXIDE CAN CREATE A HAZARDOUS ATMOSPHERE.**

Carbon dioxide (CO<sub>2</sub>) can be used as a gas, liquid, or solid (dry ice). In the gaseous state it is odorless, colorless, and tasteless, making it undetectable to persons in the area. When inhaled, adequate oxygen is replaced by CO<sub>2</sub>. Oxygen levels can drop to 19.5% or less, and an asphyxiation hazard can also exist. Follow state and local building and fire codes.

**RECOGNIZE AND BE AWARE OF AREAS WHERE CO<sub>2</sub> CAN ACCUMULATE**

CO<sub>2</sub> can accumulate in:

- Areas where CO<sub>2</sub> is stored or used, including adjacent areas.
- Confined, enclosed, or low-lying spaces.
- Areas where CO<sub>2</sub> is vented.

Understand and adhere to posted warning signs.

**MONITOR AND VENTILATE FOR CO<sub>2</sub> AS REQUIRED BY CODE**

CO<sub>2</sub> can accumulate to dangerous levels even when adequate oxygen is present for life support.

- Measuring oxygen content is not an effective indication of the CO<sub>2</sub> poisoning hazard.
- Maintain adequate ventilation.
- Use CO<sub>2</sub> detectors with audible and visual warning devices. Routinely inspect, maintain, and calibrate detectors.

**NEVER MODIFY OR TAMPER WITH CO<sub>2</sub> SYSTEMS OR EQUIPMENT**

Changes to the gas system can create leaks or other hazardous situations. Some valves, regulators, hoses and equipment used for other gases are not compatible with CO<sub>2</sub>.

- Do not modify or tamper with gas supplier-owned equipment.
- System changes shall be evaluated and managed only by qualified persons.

**USE REQUIRED PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Refrigerated liquid CO<sub>2</sub> and dry ice are extremely cold and can freeze tissue on contact. If swallowed, liquid CO<sub>2</sub> and dry ice can cause serious injury or death.

- Wear gloves and eye protection when handling equipment containing CO<sub>2</sub>. Additional PPE may include hearing protection, surface air breathing equipment, and full-body safety harnesses. See Safety Data Sheet (SDS) for guidance.

**NEVER ENTER AN AREA OF HIGH CO<sub>2</sub> CONCENTRATION WITHOUT PROPER TRAINING AND PPE**

Entering areas where high concentrations of CO<sub>2</sub> exist can present an immediate danger to human life.

- Breathing in high levels of CO<sub>2</sub> can cause dizziness, headache, shortness of breath, increased heart rate that can lead to unconsciousness, and death.
- Establish known and react to emergency procedures. Emergency rescue shall only be initiated by trained personnel who have the necessary equipment and support.

SCAN HERE FOR MORE INFORMATION OR VISIT [www.cgagnet.com](http://www.cgagnet.com)

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REFERENCE: CGA-1000

GAS SUPPLIER

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