

Chlorine Dioxide Gas

Safety and Material Compatibility

CD gas is scientifically less corrosive than most other common decontamination methods. CD gas is compatible with electronics, epoxies, materials of construction (stainless steels), and more.

Decontaminating Agent	Oxidation / Corrosion Potential (V)
Ozone	2.07
Peracetic Acid	1.81
Hydrogen Peroxide	1.78
Bleach	1.49
Chlorine Dioxide	0.95

↑
More Corrosive

Safety Features

Odor Detection

Odor Threshold at the 8-hr OSHA safety level

Non-Carcinogenic

Chlorine dioxide is a non-carcinogen (formaldehyde and ethylene oxide are known carcinogens and hydrogen peroxide is a Class A3 Animal Carcinogen according to the ACGIH)

Effective within water

CD Gas is able to penetrate and maintain efficacy in water, unlike hydrogen peroxide

Widespread use

Chlorine dioxide is used for both drinking water treatment and the sanitization of many foods.

Applications

- Rooms
- Entire facilities
- HVAC ductwork
- HEPA housings
- Processing tanks
- Pass-throughs
- Tented equipment
- Transport vans
- Lyophilizers
- Isolators
- Piping
- Biological safety cabinets

