



**Keavy's Corner LLC**  
12413 US Highway 98  
Sebring FL 33876

THIS ITEM SHIPS VIA GROUND ONLY  
LIMITED QUANTITY  
CONSUMER COMMODITY

PHONE: + 1 863 304 1004

## 1. Chemical Product And Company Information

Chemical Name	Trade Names	Formula	CAS#	UN#
Chlorine Dioxide .01%-.02%	Chlorine Dioxide Gel	ClO <sub>2</sub>	10049-04-4	UN 1760

**Uses:** Consumer Commodity  
Equine Care

### Manufacturer/Distributor

KVLab- Keavys Corner LLC 12413 US Highway 98 Sebring FL 33876  
Phone: 863 304 1004

## 2. Composition and Product Information

### Concentration by Weight

Chlorine Dioxide	Carbomer	Water
0.01% - 0.02%	0.02%	99.7%
CAS# 10049-04-4		CAS# 7732-18-5

## 3. Hazard Identification

### Emergency Overview:

A yellow gel that can be hazardous of eye contact (irritant). May be hazardous in case of ingestion of large quantities. May cause respiratory irritation if fumes are concentrated, or for long periods of time.

**Routes of Entry:** Eye Contact or Ingestion

### Symptoms of Exposure:

**Eye Contact:** This gel and vapors can cause irritation to the eyes, with symptoms that include redness and tearing. Prolonged exposure can result in halos and blurred vision.

**Ingestion:** May cause gastrointestinal irritation, with symptoms including nausea, diarrhea, vomiting, and abdominal pain

**Inhalation** May cause respiratory irritation if fumes are concentrated, or for long periods of time.

## 4 . First Aid Measures

**Eyes:** Flush with water and if necessary, seek medical attention.

**Ingestion: DO NOT INDUCE VOMITING. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.** Otherwise rinse mouth with water, and drink a few glasses of water or milk  
Seek medical attention if more than a minimal amount has been swallowed.

## 5. Fire Fighting Measures

**Conditions Of Flammability:** Does not burn,

**Hazardous Combustion Products:** None, does not burn.

**Flash Point & Method:** Not applicable

**Upper Flammability Limit:** Not applicable

**Lower Flammability Limit:** Not applicable

**Auto-Ignition Temperature:** Not applicable

**Mechanical Impact Sensitivity:** Not applicable (water solution)

**Static Discharge Sensitivity:** Not applicable (water solution)

**Special Remarks on Fire Hazards:**

N/A

## 6. Accidental Release Measures

**Leak Or Spill Procedures :**

Rinse using water.

## 7. Handling Storage

**Handling Procedures And Equipment :**

Ensure necessary ventilation in work areas in which chlorine dioxide is being used. Use local exhaust ventilation at point of vapor emissions. Avoid eye contact.

## 8. Exposures Controls / Personal Protection

The OSHA permissible exposure limit (PEL) for ClO<sub>2</sub> gas in air is 0.1 ppm (0.3 mg/m<sup>3</sup>) as an 8-hour time weighted average. NIOSH recommended exposure limits (REL) and ACGIH threshold limit values (TLV) are also 0.1 ppm. NIOSH and ACGIH shortterm exposure limits (STEL) are 0.3 ppm (0.83 mg/m<sup>3</sup>) for periods not to exceed 15 minutes. The STEL concentration should not be

repeated more than 4 times per day and should be separated by intervals of at least 60 minutes.

OSHA PEL 0.100 ppm TWA  
ACGIH TLV 0.100 ppm TWA  
ACGIH TLV 0.300 ppm STEL

**Protective Equipment:** Eyes:

**Engineering Controls:** Use in well ventilated area.

## 9. Physical And Chemical Properties

**State:** Chlorine Dioxide gas in Carbomer Gel.

**Odor:** Slight Chlorine like odor.

**Boiling Point:** Not Applicable

**Melting Point:** Not applicable

**Freezing Point:** 0°C

**pH:** 6

**Appearance:** Yellow Gel.

**Specific Gravity:** N/A

## 10. Stability And Reactivity

**Chemical Stability:**

In gel in these amounts, Chlorine Dioxide is stable in the dark. On exposure to sunlight, the Chlorine Dioxide in the gel may decompose to chloride and chlorite ions.

**Incompatible Substances:** Avoid exposure to light. Avoid contact with: metals, reducing agents, strong oxidizing agents, sulfur compounds or sulfur. Avoid contact with: metals, reducing agents, strong oxidizing agents, sulfur compounds or sulfur containing components, carbon monoxide, excessive heat, mercury, organic materials, phosphorus.

**Hazardous Decomposition Products:** May form Chlorine, hydrochloric acid gas, and oxygen in small amounts.

## 11. Toxicological Information

**Inhalation:** Vapors from gel may cause mild to severe irritation of the nose and throat.

Overexposure could cause coughing, sneezing, and labored breathing. Large amounts of vapor can cause the lungs to produce liquid..

**Skin Contact/absorption:** Safe as packaged in these concentrations. May cause irritation with repeated contact in sensitive individuals.

**Eye Contact:** This gel and vapors can cause irritation to the eyes, with symptoms that include redness, tearing, and pain. Prolonged exposure can result in halos and blurred vision.

**Ingestion:** May cause gastrointestinal irritation, with symptoms including nausea, diarrhea, vomiting, and abdominal pain

**Inhalation** Safe as packaged. May cause respiratory irritation if fumes are concentrated, or for long periods of time.

**LD50 Chlorine Dioxide Gas :** 292 mg/kg (rat)

**LC50:** Not Available

**Exposure Limits:** See Section 8 Exposure Controls

**Irritancy:** Severe (corrosive)

**Sensitization:** Not reported as a human sensitizer.

**Carcinogenicity:** Does not appear in reference lists.

**Teratogenicity & Mutagenicity:** Does not apply to this product. No effects.

**Reproductive Toxicology :** Does not appear in reference lists.

**Toxicological Synergism :** May have synergistic effects in conjunction with chlorine, chlorine oxides, and chlorine/fluorine compounds.

## 12. Ecological Information

**Ecological Information:** Not Established.

Low potential for bioaccumulation.

## 13. Disposal Considerations

**Disposal Considerations :**

Contained ponds, pools, or drains containing organic matter will normally provide an environment in which residual chlorine dioxide will be reduced to harmless compounds quickly. Do not dispose of waste with normal garbage, or to sewer systems. Whatever cannot be saved for recovery or recycling, including containers should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. **RCRA:** Test waste material for corrosivity, D002, prior to disposal.

## 14. Transportation Information

**PROPER SHIPPING NAME:** Corrosive gel n.o.s., (0.01%-0.02% Chlorine dioxide)

**UN NUMBER:** 1760

**CAS NUMBER:** 7647-01-0

**HAZMAT CLASS:** Class 8 Corrosive

**PACKAGING CLASS:** III (Do not store in Metal Containers.)

## 15. Regulatory Information

**USA Regulations**

**TSCA (Toxic Substances Control Act) Status:** Intentional Ingredients Listed.

**CERCLA RQ-40 CFR 302.4(a):**None listed

**SARA 302 Components:** None

**OSHA Process Safety Management:** Chlorine Dioxide TQ(lbs.) 1000

**EPA Accidental Release Prevention:** Chlorine Dioxide TQ(lbs.) 1000

**Canada**

**WHMIS Classification** Not Available

## 16. Other Information

**Prepared By:** Steve Pardee - 2018

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