



## Safety Data Sheet

### Section 1: Identification

**Product Name:** MicroCLEAR® Dental Unit Waterline Cleaner

**EPA Registration No:** 87117-1

**Synonyms:** Sodium Chlorite Solution

**CAS Number:** 7758-19-2

**Product Use:** Intended for use in self-contained water systems, to control water quality and kill odor causing bacteria.

**Manufacturer/Supplier:** Rowpar Pharmaceuticals, Inc.

**Address:** 15300 N. 90<sup>th</sup> St., Suite #750, Scottsdale, AZ 85260, USA

**General Information:** (480) 948-6997 or (800) 643-3337

**Transportation Emergency Number:** Not Applicable

### Section 2: Hazard(s) Identification

**GHS Classification:**

Health	Environmental	Physical
Acute Toxicity - Category 5 Eye Corrosion - Category 2 Skin Corrosion - Category 3 Skin Sensitization - Category 3 Mutagenicity - None Carcinogenicity - None Reproductive/Developmental – None Target Organ Toxicity (Repeated) – None	Aquatic Toxicity – Category IV	Flammable Liquid - No

**GHS Label:**

<b>Symbols:</b>	
<p><b>Hazard Statements</b></p> <p>No acute or chronic hazards (non-toxic and non-carcinogenic).</p> <p>Product is not intended for ingestion or consumption. Ingestion may cause gastric discomfort, nausea, diarrhea, or vomiting.</p>	<p><b>Precautionary Statements</b></p> <p>Product rarely presents a problem when used according to directions. This product is safe for its intended use. As with all consumer products, individuals may have allergic reactions, such as redness, rash and/or swelling.</p> <p>Prolonged exposure may causes moderate eye irritation. Prolonged exposure may cause localized skin irritation or reaction. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.</p> <p>When chlorine dioxide gas is heated to decomposition, chlorine gas is produced. Chlorine gas creates hydrochloric acid when mixed with water or steam. Chlorine dioxide mixed with an acidic composition will result in release of small concentrations of chlorine dioxide gas or vapor, which is a</p>

strong oxidizing agent. If the vapor is inhaled, irritation to nose or throat can occur.

### Section 3: Composition/Information on Ingredients

Component	CAS Number	Weight %
Purified Water	7732-18-5	Proprietary
Trisodium Phosphate	7601-54-9, 10101-89-0	Proprietary
Sodium Chlorite	7758-19-2	0.100
Citric Acid	77-92-9, 5949-29-1	Proprietary
<b>(See Section 8 for Exposure Limits)</b>		

### Section 4: First-Aid Measures

The procedures in this section are recommended as emergency first aid only. This information is not intended to replace or supplant treatment advice from a health-care professional.

#### General Advice

If reaction to the product does not subside quickly (within a few minutes), immediately consult physician.

#### Respiratory/Inhalation:

- Have person sip a glass of water if able to swallow.
- Call poison control center or doctor for further treatment advice.
- Do not induce vomiting unless told to do so by the poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

#### Skin Contact:

- Take off contaminated clothing.
- Wash effective area thoroughly and immediately with soap and plenty of water for 15 – 20 minutes.
- Call a poison control center or doctor for further treatment advice

#### Eye Contact:

- Hold eye open and rinse slowly and gently with water for 15 – 20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for further treatment advice

#### Inhalation:

- Move person to fresh air. Monitor for respiratory distress. If difficulty develops, contact a physician immediately.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
- Call a poison control center or doctor for further treatment advice.

In the event an adverse reaction occurs, please seek immediate medical attention and discontinue use of product. Also, please notify Manufacturer.

## Section 5: Fire-Fighting Measures

### FLAMMABLE PROPERTIES

<b>Flammable</b>	No
<b>Combustible</b>	No
<b>Flash Point</b>	Not Applicable
<b>Flammable Limits</b>	Not Applicable
<b>Contents under Pressure</b>	No
<b>Extinguishing Media</b>	Not Applicable
<b>Special Fire Procedures</b>	Not a fire hazard
<b>Explosive</b>	No

## Section 6: Accidental Release Measures

### Spill or Leak Procedure

For minor spills, proceed with routine clean-up with water.

Large spills of product should be collected in a suitable container, and the surface should be cleaned up with water.

- Ventilate area of spill or leak.
- Dike large spills using absorbent or impervious material such as clay or sand.
- Recover and contain as much free liquid as possible to dispose of. Do not reuse.
- After removal, flush contaminated area thoroughly with water.

This material should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

## Section 7: Handling and Storage

### Handling

Use product only as directed on product packaging (label). Avoid contact with skin and eyes. Do not ingest.

### Product Storage

Store in a cool, dry, dark area in original container. Keep container tightly closed with not in use. Do not store with easily oxidized materials, acids, reducers, and combustible/flammable materials. Do not contaminate

water, food, or feed by storage or disposal. Avoid storing at high temperatures or near a heat source. Avoid freezing temperatures.

#### Container Information

<b>Pressured Container</b>	No
<b>Container Type</b>	High Density Polyethylene (HDPE) Bottle

### Section 8: Exposure Controls/Personal Protection

<b>Respiratory Protection</b>	None
<b>Eye/Face Protection</b>	None
<b>Skin Protection</b>	None
<b>Special Storage Required</b>	None

### Section 9: Physical and Chemical Properties

<b>Odor</b>	None (odorless)
<b>Color</b>	None (colorless)
<b>General Physical Form</b>	Liquid
<b>Flash Point</b>	Not Applicable
<b>Evaporation Rate</b>	Not Determined
<b>Solubility in Water</b>	Completely Miscible
<b>Boiling Point</b>	Not Determined
<b>Vapor Density</b>	Not Determined
<b>Vapor Pressure</b>	Not Determined
<b>Specific Gravity</b>	1.00 – 1.01 (Room Temperature)
<b>pH</b>	6.4 – 7.0 (Room Temperature)
<b>Melting Point</b>	Not Determined

### Section 10: Stability and Reactivity

<b>Chemical Stability</b>	Stable
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#### Materials and Conditions to Avoid

Avoid contact with easily oxidized materials, acids, reducers, and combustible/ flammable materials. Keep all chemical and foreign materials away direct contact with the product. Contamination by other chemicals (acids,

chlorine compounds, bleach, and combustible/ flammable materials) may cause chemical reactions resulting in generation of chlorine dioxide gas and vapors. Avoid storing in high temperatures and near heat or flames.

### Hazardous Reaction and Decomposition Products

Chlorine dioxide is a strong oxidizing agent and can be explosive if not handled properly. Exposure to strong acids or chlorine compounds can produce uncontrolled generation of chlorine dioxide gas.

### Special Conditions to Avoid

Avoid storing or exposing product to extreme heat or sun.

Avoid storing or exposing product to freezing temperatures.

Avoid directly exposing product to light (ultraviolet or visible).

## Section 11: Toxicological Information

### Animal Toxicology, Mutagenicity, Reproductive/Developmental Toxicity

No formal toxicology studies are available for the product. Refer to the following references for toxicological information related to chlorine dioxide and chlorite:

1. Lubbers JR, Bianchine JR. Effects of the acute rising dose administration of chlorine dioxide, chlorate, and chlorite to normal healthy adult male volunteers. *J Environ Pathol Toxicol Oncol*. 1984. Jul;5(4-5):215-28.
2. US Department of Health and Human Services. Toxicological profile of chlorine dioxide and chlorite. 2004. Available at: <http://www.atsdr.cdc.gov/ToxProfiles/tp160.pdf>
3. US Environmental Protection Agency. Toxicological review of chlorine dioxide and chlorite. 2000. Available at: <http://www.epa.gov/iris/toxreviews/0496tr.pdf>

**Carcinogenicity**

None

## Section 12: Ecological Information

**Ecotoxicological Information**

Not available

## Section 13: Disposal Considerations

### Container Disposal

Dispose of container through recycling or trash/waste container.

### Disposal Procedure

Dispose product in accordance with all applicable local, state and federal regulations.

Small quantities may be flushed to a sewer with copious amounts of water.

### Section 14: Transport Information

**DOT Classification** Non-flammable toiletries

### Section 15: Regulatory Information

#### US Federal Regulations

**US Environmental Protection Agency (EPA):** Product is regulated in accordance with FIFRA sec 3(c)(7)(A).

#### State Laws

**California:** Product is not regulated under the provisions of Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986).

### Section 16: Other Information

**Revision Date:** September 29, 2021

**Supersedes:** March 22, 2021 MSDS Document for MicroCLEAR® Dental Unit Waterline Cleaner

**Disclaimer:** Information presented herein has been compiled from sources considered by the Manufacturer, in good faith, to be dependable and is accurate and reliable to the best of our knowledge and belief. However, Manufacturer cannot make any warranty or representation respecting the accuracy or completeness of the data and assumes no responsibility for any liability or damages relating thereto or for advising you regarding the protection of your employees, customers or others. Users should make their own tests to determine the applicability of such information or suitability of any products for specific use.

No.	Date	Author, Dept	Change Reference	Reason
1	03/19/2008	-	All sections	Document creation
2	11/03/2009	J. Ward, R&D	All sections	Update information
3	06/29/2011	E. Young, R&D	All sections	Update information and new formatting
4	07/09/2014	E. Garcia, Consultant	All Sections	Update information to comply with SDS format
5	03/22/2021	J. Shewale, R&D	Sections 1 and 3	Update to Address and Ingredients
6	09/29/2021	J. Shewale, R&D	Sections 14	Update the information