



SAFETY DATA SHEET

Issue Date

19-Sep-13

Revision Date

6-May-15

Version

1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Z3 Waterline

Maintenance tablet

Other Means of Identification

SDS #: Z3

UN/ID No.:

Not
listed

Product Code:

USA

Recommended Use of the Chemical and Restrictions on Use

Recommended Use:

Inhibits the growth of microbial contamination in dental unit water lines.

Details of the Supplier of the Safety Data Sheet

Supplier Address

Benco Dental Supply
295 Centrepont Blvd.
Wilkes-Barre PA 18640

Emergency Telephone Number

Company Phone Number(s)

Toll-Free: 1-888-843-3343

24 Hour Emergency Telephone

Medical or Safety: 1-866-290-1830

2. HAZARDS IDENTIFICATION

Classification

Acute toxicity - Oral	Category IV
Acute toxicity - Dermal	Category III
Primary Eye Irritation	Category III
Primary Skin Irritation	Category IV
Dermal Sensitization	Not a contact sensitizer
Carcinogenicity	Not listed by ACGIH, IARC, NIOSH, NTD, or OSHA

Signal Word:

CAUTION

Hazard Statements:

Keep out of reach of children. May cause irritation to eyes. May cause skin contact irritation. Harmful if swallowed.

Appearance:

Light blue, solid

Physical State:

Tablet, solid

Odor:

Neutral

Precautionary Statements-Prevention:

Components are non-hazardous.

Precautionary Statements-Response

IF INHALED: If symptoms are experienced, remove from source of contamination or move victim to fresh air. If symptoms persist, get medical attention.

IF SWALLOWED: If ingestion of a large amount occurs, seek medical attention. Do not induce vomiting.

IF ON SKIN: For skin contact flush with plenty of water. If irritation persists, get medical attention. Take off any contaminated clothing; wash before reuse.

IF IN EYES: Immediately flush eyes with water for at least 10 minutes. If irritation persists, get medical attention.

Precautionary Statements - Storage

Avoid contact with water until ready for use. Keep in a cool, dry area when not in use. All cleaning agents should be kept out of the reach of children and stored away from food.

Precautionary Statements - Disposal

Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State/Provincial and Local regulations. Regulations may vary in different locations.

Hazards not otherwise classified (HNOC)

None identified.

Other Information

Disclaimer: Benco Dental Supply believes the above information to be accurate and represents the best information currently available. We make no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use. The information contained herein is offered in good faith and is intended only as a guide to the appropriate precautionary handling of the material/product by a properly trained person using the product. Regulatory requirements are subject to change and differ from one location to another. It is the buyer's (or user's) responsibility to ensure that its activities comply with Federal, State, and Local laws.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%	Trade Secret
Silver	7440-22-4	N/A	Yes

4. FIRST AID MEASURES

First Aid Measures

IF INHALED: If symptoms are experienced, remove from source of contamination or move victim to fresh air. If symptoms persist, get medical attention.

IF SWALLOWED: If ingestion of a large amount occurs, seek medical attention. Do not induce vomiting.

IF ON SKIN: For skin contact flush with plenty of water. If irritation persists, get medical attention. Take off any contaminated clothing; wash before reuse.

IF IN EYES: Immediately flush eyes with water for at least 10 minutes. If irritation persists, get medical attention.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms: Mild skin or eye irritation

Warning: Avoid contacting tablet with eyes or clothing.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures appropriate to local circumstances and the surrounding environment. Water, CO₂, or dry chemical.

Unsuitable Extinguishing Media:
None determined.

Specific Hazards Arising from the Chemical:

Hazardous Combustion Products
None determined.

Sensitivity to Static Discharge
None determined.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure demands MSHA/NIOSH approved or equivalent and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions

For Emergency Responders:
Restrict access to spill area. Ventilate this area.

Environmental Precautions:
None determined.

Methods and Material for Containment and Cleaning Up:

Methods for Containment

Recover dry if possible. Clean area with water.

Methods for Cleaning Up

Collect spill material with suitable means. Avoid incompatible materials.

7. HANDLING AND STORAGE

Precautions for Safe Handling:

Advice on Safe Handling:

Avoid contact with water until ready for use. Keep in a cool, dry area when not in use. All cleaning agents should be kept out of the reach of children and stored away from food.

Conditions for Safe Storage, Including any Incompatibilities:

Storage Conditions:

Keep in a cool, dry area when not in use.

Packaging Materials:

Do not use if package is pierced or torn.

Incompatible Materials:

None determined if package is unopened.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Silver, 7440-22-4	Soluble compounds, 0.01 mg/m ³ TWA	0.01 mg/m ³ TWA	0.01 mg/m ³ TWA

Appropriate Engineering Controls

Engineering Controls:

Eye wash station

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection:

None determined.

Skin and Body Protection:

Avoid prolonged skin exposure.

Respiratory Protection:

None determined.

General Hygiene Considerations:

Avoid contacting tablet with eyes or clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State: Solid
Appearance: Tablet
Color: Light blue
Odor: Neutral

<u>Property</u>	<u>Values</u>	<u>Remarks *</u> <u>Method</u>
pH	6.8 (1% solution at 20 degrees C)	
Melting Point / Freezing Point	N/A	
Boiling Point / Boiling Range	N/A	
Flash Point	N/A	
Evaporation Rate	N/A	
Flammability (Solid/Gas)	N/A	
Flammability Limits In Air	N/A	
Upper Flammability Limit		
Lower Flammability Limit		
Vapor Pressure	N/A	
Vapor Density	N/A	
Specific Gravity	Approx. 1.0	
Water Solubility	Complete in water	
Partition Coefficient	N/A	

Autoignition	
Temperature	N/A
Decomposition	
Temperature	N/A
Kinematic	
Viscosity	N/A
Dynamic	
Viscosity	N/A
Explosive	
Properties	N/A
Oxidizing	
Properties	Reacts with strong acids or oxidizing agents

10. STABILITY AND REACTIVITY

Reactivity:

This product will react with strong acids and oxidizing agents.

Chemical Stability:

Stable

Possibility of Hazardous Reactions:

None known

Hazardous Polymerization:

Will not occur

Conditions to Avoid:

Avoid contact with water until ready to use.

Incompatible Materials:

Strong acids or oxidizing agents

Hazardous Decomposition Products:

None known

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information:

Inhalation: None known

Eye Contact: Tablet may cause irritation to the eyes. Diluted product is non-irritating.

Skin Contact: Prolonged contact may cause irritation and redness.

Ingestion: Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.

Component Information:

Chemical Name	Oral LD ₅₀	Dermal LD ₅₀	Inhalation LC ₅₀
Silver, 7440-22-4	Rat - male, >5.000 mg/kg	No data available	No data available

Information on Physical, Chemical and Toxicological Effects

Symptoms:

IF INHALED: If symptoms are experienced, remove from source of contamination or move victim to fresh air. If symptoms persist, get medical attention.

IF SWALLOWED: If ingestion of a large amount occurs, seek medical attention. Do not induce vomiting.

IF ON SKIN: For skin contact flush with plenty of water. If irritation persists, get medical attention. Take off any contaminated clothing; wash before reuse.

IF IN EYES: Immediately flush eyes with water for at least 10 minutes. If irritation persists, get medical attention.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term

Exposure:

Carcinogenicity: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Numerical Measures of Toxicity:

Not
determined.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available on finished product.

Environmental Fate: Readily degraded.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes:

Treatment, storage transportation and disposal must be in accordance with applicable Federal, State/Provincial and Local regulations. Regulations may vary in different locations.

14. TRANSPORT INFORMATION

DOT

UN/ID No	Not listed
Proper Shipping Name	Not a dangerous goods
Hazard Class	Not classified

IATA

UN/ID No	Not listed
Proper Shipping Name	Not a dangerous goods
Hazard Class	Not classified

IMDG

UN/ID No	Not listed
Proper Shipping Name	Not a dangerous goods
Hazard Class	Not classified

15. REGULATORY INFORMATION

International Inventories:

Not determined.

US Federal Regulations:

TSC

A: None of the product components/chemicals are on the Health & Safety Reporting List, are under a Chemical Test Rule (Section 12b) or have a SNUR under TSCA.

SAR None of the product components/chemicals have an RQ, a TPQ or are under Section 313. None

A: of the product components/chemicals are hazardous air pollutants, are Class 1 or Class 2 Ozone depleters. None of the product components/chemicals are listed as Hazardous Substances, Priority Pollutants or Toxic Pollutants under the Clean Water Act.

OS

HA: None of the product components/chemicals are considered hazardous by OSHA.

16. OTHER INFORMATION

NFP

A

Health Hazards	Flammability	Instability	Special Hazards
1	0	0	OX

HM

IS

Health Hazards	Flammability	Physical Hazards	Personal Protection
Not determined.	Not determined.	Not determined.	Not determined.

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Revision Note

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