

DENTSPLY Tulsa Dental Specialties

Safety Data Sheet

Date Issued:
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Revision Number:

1. PRODUCT IDENTIFICATION

Trade Name (as labeled): BIOPURE MTAD Antibacterial Root Canal Cleanser Liquid, Part A

Chemical Name/Classification: BIOPURE MTAD Antibacterial Root Canal Cleanser, Part A

Product Identifier (Part/Item Number):

U.N. Number:

U.N. Dangerous Goods Classification:

Recommended Use: Material for endodontic irrigation after instrumentation

Restrictions on Use:

Manufacturer/Supplier Name: DENTSPLY Tulsa Dental Specialties

Manufacturer/Supplier Address: 608 Rolling Hills Dr., Johnson City, TN 37604

Manufacturer/Supplier Telephone Number: 1-800-662-1202 (Product Information)

Emergency Contact Telephone Number: 1-631-419-1700

Email address:

2. HAZARD(S) IDENTIFICATION

Hazard/Danger Classification:

Health	Environmental	Physical

Associated Hazards:

Hazard Statements	Precautionary Statements
The liquid is acidic and can be irritating to the eyes, skin or if ingested.	



Include as applicable

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EU Classification: N/A

EU Risk (R) and Safety (S) Phrases:

Refer to Section 16 for the full text of the EU Classifications and R Phrases.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Hazardous Components	C.A.S. # EC#	IUPAC Name	Substance Classification	WT %
Citric Acid, USP	5949-29-1		N/A	<5%

Refer to Section 16 for the full text of the GHS and H phrases and EU Classifications and R Phrases.





4. FIRST-AID MEASURES

Routes of Exposure	First Aid Instructions
Eye	Immediately flush eyes with plenty of water for at least 20 minutes, while holding eyelids apart. Remove contact lenses. Do not use eye ointments.
Skin	Immediately flush skin with plenty of cool soapy water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse.
Inhalation	Move individual away from exposure into fresh air. If not breathing, give artificial respiration. If breathing is difficult, administer oxygen.
Ingestion	If ingestion occurs, flush mouth with water, give person several glasses of water, and seek medical attention immediately. Do not induce vomiting.
Most important symptoms of exposure	
Other	N/A
Note to Physicians (Treatment, Testing, and Monitoring)	
N/A	

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Water spray, foam, Carbon dioxide or dry chemical.
Fire Fighting Procedures:	
Specific Hazards Arising from the Chemical:	Irritating or toxic fumes may be evolved from dried material or syringe container.
Precautions for Fire Fighters:	Usual. Material will be in general fire. Avoid inhalation of smoke.

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Recommended Protective Equipment for Fire Fighters:			
EYES/FACE	SKIN	RESPIRATORY	THERMAL
			

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, PPE and Emergency Procedures: Wipe up with towels. Caution-solution may be slippery. Discard in trash. Dispose of container and unused contents in accordance with federal, state and local requirements.

Environmental Precautions:

Methods and Materials for Containment and Clean-up: Discard in trash; do not put in the sewer system.

Recommended Personal Protective Equipment for Containment and Clean-up:			
EYES/FACE	SKIN	RESPIRATORY	THERMAL
			

7. HANDLING AND STORAGE

Precautions for Safe Handling: Trained personnel use this product exclusively for dental purposes.

Conditions for Safe Storage: Store in ventilated, dry, cool (<22°C/72°F) area out of direct sunlight and away from sources of ignition.





8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits: N/A

Biological Exposure Limits: Use in a well-ventilated area.

Appropriate Engineering Controls: None

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Individual Protection Measures (PPE) Specific Eye/face Protection: Wear goggles, safety glasses, or a face shield. Specific Skin Protection: Wear latex or nitrile gloves. Wear impervious protective clothing, including gloves, lab coat, apron or coveralls, as appropriate to prevent skin contact. Specific Respiratory Protection: Handle the product in a well-ventilated area. Under normal use, respirators are not required. Specific Thermal Hazards:			
Recommended Personal Protective Equipment			
EYES/FACE	SKIN	RESPIRATORY	THERMAL
			
Environmental Exposure Controls:			
General Hygiene Considerations and Work Practices: Wear gloves as per universal precautions in dentistry. Wash your hands following use. No eating, drinking or smoking while handling this product.			
Protective Measures During Repair and Maintenance of Contaminated Equipment: If aerosols are generated, a disposable dust/mist respirator (N95) may be used. Personnel wearing respirators should be fit-tested and approved for respirator use under the OSHA Respiratory Protection Standard 29 CFR 1910.134.			

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear liquid	Explosive limits:	N/A
Odor:	None	Vapor pressure:	Similar to water
Odor threshold:		Vapor density:	Not applicable
pH:	~2	Relative density:	
Melting/freezing point:	0°C/0°C	Solubility:	Completely miscible in water
Initial boiling point and range:	>100°C	Partition coefficient: n-octanol/water:	
Flash point:	N/A	Auto-ignition temperature:	N/A
Evaporation rate:	Not known	Decomposition temperature:	
Flammability:	N/A	Viscosity:	
Explosive Properties:		Oxidizing Properties:	

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10. STABILITY AND REACTIVITY

Reactivity:
Chemical Stability: Stable
Possibility of Hazardous Reactions:
Conditions to Avoid: N/A
Incompatible materials: Avoid strong oxidizers or water-reactive materials, bases, iron or metal nitrates. Will corrode copper, zinc, aluminum and their alloys.
Hazardous Decomposition Products: Decomposition products of the minor components of this compound may include potentially hazardous byproducts including carbon dioxide and carbon monoxide, ammonia or oxides of sulfur or nitrogen.

11. TOXICOLOGICAL INFORMATION

Signs and Symptoms of Overexposure: Irritation of the eyes, nose, throat and lungs, a reduction in plasma calcium concentration that can lead to cardiac arrhythmias and reduced cardiac output.							
Emergency Overview:							
Likely Routes of Exposure	Signs and Symptoms	Single, Repeated, or Lifetime Exposure	Severity (Mild, Moderate, Severe)	Acute and Chronic Health Effect(s)	Target Organ(s)	LD50 Testing Data (as applicable)	LC50 Testing Data (as applicable)
Eye:	Liquid can cause stinging, tearing, redness and pain			Acute irritation	Eye		
Skin:	Acidic liquid can irritate the skin.			Acute irritation	Skin		
Inhalation:	Acidic liquid can irritate the lungs.			Acute irritation	Lungs		
Ingestion:	Acidic liquid can irritate the stomach.			Acute irritation	Stomach		
Other:	N/A			N/A	N/A		
Medical Conditions Aggravated by Exposure: Respiratory, skin conditions or eye conditions.							
Carcinogenicity: None							

12. ECOLOGICAL INFORMATION

Toxicity: No information found.
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Persistence and Degradability: No information found.
Bio-accumulative Potential: No information found.
Mobility in Soil: No information found.
Other Adverse Effects: No information found.
Results of PBT/vPvB Assessment: No information found.

13. DISPOSAL CONSIDERATIONS

Regulations: Dispose of container and unused contents in accordance with federal, state and local requirements.
Properties (Physical/Chemical) Affecting Disposal: None known
Waste Treatment Recommendations:

14. TRANSPORT INFORMATION

UN Identification Number: N/A
UN Proper Shipping Name: BIOPURE MTAD ANTIBACTERIAL ROOT CANAL CLEANSER LIQUID- PART A
Transport hazard class(es): Non-hazardous
Packing Group: DOT Class-NR
Special precautions for user: None



Include as applicable

15. REGULATORY INFORMATION

U.S. Federal Regulations

Comprehensive Environmental Response and Liability Act of 1980 (CERCLA): Yes

Toxic Substances Control Act (TSCA): No

Clean Water Act (CWA): No

Clean Air Act (CAA): No

Superfund Amendments and Reauthorization Act (SARA) Title III Information: No

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SARA Section 311/312 (40 CFR 370) Hazard Categories: No

Immediate Hazard:		Pressure Hazard:	
Delayed Hazard:		Reactivity Hazard:	
Fire Hazard:			

This product contains the following toxic chemical(s) subject to reporting requirements of SARA Section 313 (40 CFR 372):

Components	C.A.S. #	WT %

State Regulations

California: This product contains the following chemical(s) known to the State of California to cause cancer, birth defects or reproductive harm:

Components	C.A.S. #	WT %

International Regulations

Canadian Environmental Protection Act:

Canadian Workplace Hazardous Materials Information System (WHMIS):

European Inventory of Existing Chemicals (EINECS):

16. OTHER INFORMATION

Full text of Classification abbreviations used in Section 2 and 3:

Date of SDS Preparation/Revision:

Data Sources: