

## MATERIAL SAFETY DATA SHEET

## HMIS:

Health- 0 Flammability- 0 Reactivity- 0 Pers.  
Protection- N

## NFPA:

Health- 0 Flammability- 0 Reactivity- 0 Special Hazard-  
N

WHMIS: B 3, D 2 B

## Section 1: Product and Company Identification

Product: SpectraSan 24

Synonyms: EPA No: 72977-3-85938

Biotech Medical LLC

Manufactured by Nilodor Inc  
Biotech Medical LLC, 7800 Whipple Ave  
NW, North Canton, OH 44720

Non-Emergency:

24 hr Emergency Spill Information:

US 1-800-284-9857

International

## Section 2. Hazards Identification

## EMERGENCY OVERVIEW

Appearance/Odor: Clear, odorless liquid

NOT Classified as hazardous by the criteria of NOHSC.

## WARNING

Flammability : Not classified as flammable

Health Hazards Listed : None known

Ecological Hazards Listed : None known

Potential Health Effects: See section 11 for more information.

Likely Routes of Exposure: Skin, eyes, mouth

Eye: Overexposure may cause slight eye irritation

Skin: Overexposure may cause slight skin irritation

Ingestion: Not likely to be a problem, some digestive distress.

Inhalation: Not likely to be a problem, unless allergic reaction.

Medical Conditions Aggravated By Exposure:

None known

Target Organs: None known

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Environmental Effects: (See section 12 for more information.)

May be harmful to aquatic life

## Section 3. Composition/Information on Ingredients

Component	CAS#	% by Weight	WHMIS Controlled
Silver	7440-22-4	0.003%	Y
Citric Acid	77-92-9	4.846%	Y
DI Water	7732-18-5	>90%	Y

## Section 4. First Aid Measures

Eye Contact: Flush eyes with water, holding lids open for 15 minutes. Seek medical attention.  
 Skin Contact: Removed contaminated clothing, for skin contact flush with large amounts of water. If irritation persists, get medical attention.  
 Inhalation: Remove to fresh air.  
 Ingestion: Do not induce vomiting. Seek medical attention immediately.

Note to Physicians:

**Section 5. Fire Fighting Measures**

Suitable Extinguishing Media: Dry chemical, foam, carbon dioxide, water fog.  
 Unsuitable Extinguishing Media: None known  
 Products of Combustion: Products of combustion may be irritating  
 Protection of Firefighters: Wear self contained breathing apparatus and protective clothing in accordance with OSHA regulations.

**Section 6. Accidental Release Measures**

Personal Precautions: Normal procedure for good hygiene. Avoid eye and skin contact.  
 Environmental Precautions: Keep out of surface waters.  
 Methods for Containment: Contain spill, flush to sanitary sewer, rinse area with water.  
 Methods for Clean-Up: Soak up with absorbant media.  
 Other Information:

**Section 7. Handling and Storage**

**HANDLING**

Avoid contact with eyes and skin. Wash thoroughly after handling.

**STORAGE**

Store in a cool, dry place. Keep in storage temperature below 120 F, do not contaminate food, feed, or drinking water. Keep from freezing.

**Section 8. Exposure Controls/Personal Protection**

**EXPOSURE GUIDELINES**

COMPONENT:	TWA:	LD-50
Silver	Not determined	Not determined
Citric Acid	Not determined	Not determined
DI Water	Not determined	Not determined

Engineering Controls: Personal Protective Equipment, General ventilation recommended for large jobs.

Eye/Face Protection: Protective goggles if handling large quantities

Skin Protection: Rubber or other protective gloves if handling large quantities. Long sleeves.

Respiratory Protection: Not normally necessary

General Hygiene Considerations: Reasonable care. Keep out of food and beverages

**Section 9. Physical and Chemical Properties**

Color: Colorless, clear	Odor: No odor
Physical State: Liquid	Odor Treshhold:
pH: 1.80	Freezing Point: Not determined
Evaporation Rate: Similiar to water	Boiling Point: (100C) 212 F (like water)
Flash Point: Not determined	Flammability(solid,gas): Not applicable
Upper Flammability Limit: Not determined	Lower Flammabilty Limit: Not determined
Vapor Pressure: As water	Specific Gravity: 1.02 (8.49 #/gallon)
Vapor Density: Not determined	Auto-ignition Temperature: Not determined

Volatile Organic Compound (VOC),%weight: Solubility (water): Soluble  
0.00% VOC Percent Volatile: 0.00%

#### Section 10. Stability and Reactivity

Stability: Stable under normal conditions.

Conditions to Avoid: Extreme heat and cold.

Incompatible Materials: Carbonates, hydroxides, ammonia, strong oxidizers, metals, amines.

Hazardous Decomposition Products: Combustion may produce carbon monoxide

Possibility of Hazardous Reactions: Will not occur.

#### Section 11. Toxicology Information

##### ACCUATE EFFECTS

Oral LD50: >5000mg/kg  
Dermal LD50: >5000mg/kg  
Inhalation: Not available.  
Eye Irritation: rabbit-practically non-irritating Category IV  
Skin Irritation: Not available.  
Sensitization: Guinea Pigs, not a contact sensitizer

##### CHRONIC EFFECTS

Carcinogenicity: None known  
Mutagenicity: None known  
Reproductive Effects: None known  
Developmental Effects: None known

#### Section 12. Ecological Information

Ecotoxicity: None  
Persistence/Degradability: Readily biodegradable  
Bioaccumulation/Accumulation: Not available.  
Mobility in Environment: Not available.

#### Section 13. Disposal Considerations

Disposal: Dispose in accordance with Federal, State or Provincial and Local regulations.

#### Section 14. Transportation Information

US DOT (ground)

Proper Shipping Description: Not a Dangerous Good

CANADA TDG (ground)

Proper Shipping Description: CANNOT SELL INTO CANADA.

ICAO (air)

Proper Shipping Description: Not Regulated

IMDG (water)

Proper Shipping Description: Not Regulated

#### Section 15. Regulatory Information

Global Inventories

TSCA: United States Included  
DSL: Canada Included  
ECL: Korea Not-Known  
PICCS: Philippines Not-Known

ENCS: Japan	Not-Known
AICS: Australia	Included
IECS: China	Not-Known
EINECS: European Union	Included

SARA 313 Information : No SARA 313 chemicals present at reportable levels

California Safe Drinking Water and Toxic Enforcement Act of 1986 :(Proposition 65)

This product contains no ingredients which appear on the California proposition 65 list.

WHMIS: Canadian Workplace Hazardous Material Information System

B 3, D 2 B

Section 16. Other Information
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Legends:

NFPA, HMIS:

0=Minimal Hazard, 1=Slight Hazard, 2=Moderate Hazard, 3=Severe Hazard, 4=Extreme Hazard

Prepared By: Technical Dept.

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