



Maintenance Solutions

Spectrum HBV

Hospital Virucidal Disinfectant



DESCRIPTION

The human hepatitis B virus is the leading cause of cirrhosis and cancer of the liver and is the world's ninth largest killer.

Spectrum HBV is the only concentrated disinfectant on the market today proven to eliminate the highly infectious hepatitis B virus. Of course like any broad spectrum surface disinfectant worth its salt, Spectrum HBV also kills staph and strep germs, the AIDS virus (HIV), and legions of other human and non-human pathogens.

To be used in hospitals in areas such as operating rooms, patient care rooms & facilities, recovery, anesthesia, ER, radiology, X-ray cat labs, newborn nurseries, orthopedics, respiratory therapy, surgi-centers, labs, blood collection rooms, central supply, housekeeping & janitorial rooms, nursing homes, doctors offices & labs, dentists offices & labs (dental operatories), schools, salons, sick rooms, rest rooms, shower rooms, veterinary clinics, industries to disinfect inanimate hard, non-porous environmental surfaces such as walls, floors, sink tops, toilet bowls, tables, chairs, telephones, chair arms and bed frames, cabinets, bathtubs, and urinals.

For Use On:

- | | | |
|--------------------|--------------------|------------------|
| Hospitals | Restaurants | Dentist Offices |
| Ambulances | Veterinary Clinics | Doctors Offices |
| Patient Care Rooms | Nursing Homes | Industrial Areas |
| | Schools | |

DIRECTIONS

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

DISINFECTION:

To be used in hospitals in areas such as operating rooms, patient care rooms & facilities, recovery, anesthesia, ER, radiology, X-ray cat labs, newborn nurseries, orthopedics, respiratory therapy, surgi-centers, labs, blood collection rooms, central supply, housekeeping & janitorial rooms, nursing homes, doctors offices & labs, dentists offices & labs (dental operatories), schools, salons, sick rooms, rest rooms, shower rooms, veterinary clinics, industries to disinfect inanimate hard, non-porous environmental surfaces such as walls, floors, sink tops, toilet bowls, tables, chairs, telephones, chair arms and bed frames, cabinets, bathtubs, and urinals. Add two ounces Spectrum HBV per gallon of water. Remove gross filth or heavy soil. Apply solution with a mechanical sprayer so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes and then let air dry.

For heavily soiled areas, a pre-cleaning step is required. Prepare a fresh solution for each use. Spectrum HBV is effective in the presence of organic soil (5% blood serum).

To disinfect toilet bowls, flush toilet and add 2 ounces Spectrum HBV directly to the bowl water. Swab the bowl completely using a scrub brush or toilet mop, making sure to get under the rim. Let stand for 10 minutes and flush.

Virucidal*: This product when used on hard, non-porous, inanimate environmental surfaces at 2 ounces per gal. of water for a 10 minute contact time (5% organic soil) is effective against Influenza A2-Asian, HBV (Hepatitis B Virus), Herpes Simplex Type 1, Herpes Simplex Type 2, Pseudorabies virus, and Vaccinia virus in 10 minutes. Kills human immunodeficiency virus Type 1 (HIV-1) (AIDS Virus) after 30 second contact time, and Polio Type 1 (Chat strain) after 30 minute contact time (5% serum).

***KILLS HIV-1 AND HBV ON PRECLEANED ENVIRONMENTAL SURFACE/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care settings or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood or body fluids, and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of human immunodeficiency virus Type (HIV-1) (AIDS virus) or HBV.

MILDEWSTAT - To control mold and mildew on pre-cleaned, hard non-porous surfaces (such as floors, walls, table tops) add 2 ounces Spectrum HBV per gallon of water. Apply solution with a cloth, mop, or sponge making sure to wet all surfaces completely. Let air dry. Prepare fresh solution for each use. Repeat application at weekly intervals or when mildew growth appears.

FUNGICIDE: At 2 oz. per gallon, Spectrum HBV is effective against the pathogenic fungi, Trichophyton mentagrophytes in 5% organic soil.

PRODUCT SPECIFICATIONS

Color:	Blue	Solubility:	Complete with water
Odor:	Clean & fresh	Emulsification:	Excellent
pH:	11.5 - 12.0	Detergency:	Excellent
Base:	Quaternary ammonium chloride	Rinsability:	Excellent
Viscosity:	Water thin	Flash Point:	None (waterbased)
Foam:	Moderate	Storage/Stability:	2 years
Abrasives:	None	Weight per Gallon:	8.66 lbs./gal.
		Freeze / Thaw Stability:	Keep from freezing

Disinfectant Cleaners

SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Manufacturer's Name: Misco Products Corporation	Product Name: Spectrum HBV
Manufacturer's Address: 1048 Stinson Drive Reading, PA 19605	Generic Name: Disinfectant Detergent Cleaner
Manufacturer's Phone #: (610) 926-4106	Chemical Family: Quaternary Detergent Blend
	Formula: Proprietary

SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
Dimethyl Benzyl Ammonium Chloride	68391-01-5	2.25			
Dimethyl Ethylbenzyl Ammonium Chloride	68956-79-6	2.25			
Nonionic Surfactant	9016-45-9	0 to 5			
Sodium Carbonate	497-19-8	0 to 5			
Tetrasodium EDTA	64-02-8	0 to 5			
Perfume Oil	N/A	0 to 5			
Dye	N/A	0 to 5			

SECTION 3-PHYSICAL DATA

Boiling Point (°F): 210 F.	Specific Gravity: 1.040
Vapor Pressure: 20mm Hg @ 68 F.	Vapor Density (Air=1): >1
% Volatile: 90+	pH: 11.5-12.0
Solubility in Water: Complete	Evaporation Rate (Water=1): <1
Physical Description: Thin light blue liquid with pleasant odor.	

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): N/A
Upper Explosion Limit: N/A
Lower Explosion Limit: N/A
Extinguishing Media: N/A
Special Firefighting Procedures: Non Flammable
Unusual Fire and Explosion Hazards: N/A

SECTION 5-REACTIVITY DATA

Stability: Stable	Hazardous Polymerization: None
Hazards Decomposition Products: Will not occur.	Incompatibility (Materials to Avoid): None

SECTION 6-STORAGE AND HANDLING INFORMATION

Keep out of reach of children. For use by trained personnel only. Keep container closed during storage. For institutional and industrial use only. Avoid contact with eyes, skin and clothing. Avoid breathing of mists. Use in well-ventilated area.

SECTION 7-HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:
Skin: Skin irritant. Prolonged or repeated contact may cause dermatitis.
Eyes: Severe eye irritant. Liquid and mists may injure the eyes causing corneal damage.
Inhalation: Mists are irritating to throat, nose and lungs.
Ingestion: Irritating to the mouth, throat, and gastrointestinal system. Burning, pain, and diarrhea expected with large doses.
First Aid Procedures:
Skin: Remove contaminated clothing. Flush affected areas with large quantities of water. Seek medical attention if irritation persists.
Eyes: Flush with large quantities of water, holding eyelids open. Seek medical attention.
Inhalation: Remove victim to fresh air and monitor. Seek medical attention if symptoms persist.
Ingestion: Give large quantities of water. Seek medical attention immediately.

SECTION 8-SPECIAL PROTECTION INFORMATION

Respiratory Protection: No special requirements. Avoid breathing mists.
Ventilation Requirements: Provide local exhaust to keep TLV of Section 2 ingredients below acceptable limit.
Protective Gloves: Latex, rubber, vinyl, or nitrile
Eye Protection: Chemical goggles recommended when spraying diluted product.
Other Protective Equipment: Eyewash station should be provided nearby.

SECTION 9-SPILL OR LEAK PROCEDURES

Steps to be taken in Case Material is Released or Spilled: Floors will become slippery. Avoid walking in product. Keep unessential personnel away. Mop up or otherwise absorb and hold disposal. Avoid discharge to sewer or open waterways.
Waste Disposal Method: Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. Consult local authorities for disposal in public sewer. Do not dispose of into storm drain, stream, river or to ground. Rinse container thoroughly before discarding in trash.

SECTION 10-REGULATORY INFORMATION

SARA Title III - Section 311/312 -Hazard Categories:	Shipping Information:
No - Fire Hazard	FOR CONTAINERS > 1 Gallon : Cleaning Compound
No - Sudden Release of Pressure Hazard	
No - Reactivity Hazard	FOR 1 GALLON CONTAINERS : Cleaning Compound
Yes - Immediate (acute) Health Hazard	
No - Delayed (chronic) Health Hazard	FOR CONTAINERS < 1 GALLON : Cleaning Compound

HMIS Hazardous Materials Identification System

Health	2
Flammability	0
Reactivity	0
Personal Protection	B

FOR EMERGENCY MEDICAL OR TRANSPORT INFORMATION: CHEM-TEL, Inc. @ 800-255-3924 (24 hours, 7 days per week)

This product contains the following toxic chemical(s) subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

CAS#	Chemical Name	Percent by Weight
	None	

This product contains the following chemical(s) which have been established to be either a carcinogen or suspected carcinogen.

CAS#	Chemical Name	Percent by Weight
	None	

SECTION 11-OTHER INFORMATION

This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. This company will accept no liability for damages or loss incurred from the improper handling and use of this product