UNITED STATES POSTAL SERVICE

July 7, 2020

Mr. Brian J. Wagner
President
National Association of Postal Supervisors
1727 King Street, Suite 400
Alexandria, VA 22314-2753

Certified Mail Tracking Number:
7019 2280 0001 7461 0413

Dear Brian:

In response to the Coronavirus (COVID-19) pandemic, the Postal Service plans to change two disinfecting chemicals used for cleaning at Custodial Team Cleaning (CTC) sites.

Effective July 27, the PortionPac ScrubPac Green 102 "General Cleaner" is being replaced with PortionPac Germicidal Green 232 for use in all areas except the lunch/swing rooms and Bioesque Disinfectant Cleaning Solution will be used exclusively in lunch/swing rooms, on all food contact surfaces. The new chemicals comply with the Center for Disease Control (CDC) cleaning requirements

The CTC Light Duty Specialist (LDS) training materials and process will be updated to reflect the subject chemical changes.

Enclosed is additional information regarding the changes and the safety data sheets (SDS) for the PortionPac Germicidal Green 232 and Bioesque Disinfectant Cleaning Solution.

If there are any questions, please contact Shannon Richardson at extension 5842.

Sincerely,

Rickey R. Dean
Manager
Contract Administration (APWU)

Enclosures

(CA2020-256)

CTC Light Duty Specialist Cleaning and Disinfecting Chemical Changes Effective July 27, 2020

Figure 1. Bioesque Disinfectant and Germicidal Green 232

In response to the COVID requirements in MMO-031-20, Headquarters Maintenance Planning & Support has developed and is prepared to release modified CTC Light Duty Specialist (LDS) training materials and procedures. New LDS cleaning and disinfecting procedures include:

- Replacing PortionPac ScrubPac Green 102 "General Cleaner" with PortionPac Germicidal Green 232 in all areas except lunch/swing rooms (Figure 1).
- PortionPac Germicidal Green 232 is the same chemical used (PortionPac Germicidal Red 232) in the Restrooms. The only difference is the coloring of the liquid. The color change complies with the Red/Yellow/Green Program.
- Clean and disinfect lunch/swing rooms using Bioesque Disinfectant Cleaning Solution (Figure 1). Bioesque is to be used EXCLUSIVELY on lunch/swing room food contact surfaces. See notes below if Bioesque is not available in the facility.
- The new chemicals comply with the Center for Disease Control (CDC) cleaning requirements.

All CTC training material will be updated and posted on or before July 27, 2020. The following training material has been changed to coincide with the new chemical usage:

- CTC Custodian 2 day and Postmaster Power Point Files
- CTC Custodian 2 day and Postmaster Facilitator Guides
- CTC Custodian 2 day and Postmaster Student Guides
- CTC Custodian 2 day and Postmaster LDS Training Video
- LDS Job Aid
- LDS Poster
- Distribution Tray Labels
- Control Cabinets Labels
- Chemical Usage Logs

All MS-47 TL-5 cleaning frequencies and times remain unchanged.

Sites must download the current Safety Data Sheets (SDS) for Germicidal Green 232 and Bioesque from the MTSC Team Cleaning web page or manufacturer's website and place them in all "Right to Know" stations. Custodians must be advised of all Germicidal Green 232 Personal Protective Equipment (PPE) requirements (gloves and safety goggles). Sites must review and update locally developed Form 4776 comments to remove references to 102N.

Signs are available on the MTSC Team Cleaning web page reminding all employees of their responsibility to keep break/swing room tables cleaned and disinfected using wipes or paper towels before and after eating. Sites should download and post these signs as needed.

Moving forward, Bioesque will be the primary lunch/swing room cleaning disinfectant. Bioesque is **ONLY** used in lunch/swing rooms. **If Bioesque is unavailable in the facility**, use Germicidal Green 232 for cleaning and disinfecting food contact surfaces in lunch/swing rooms.

WARNING

Germicidal Green 232 residue MUST be removed from food contact surfaces by wiping with water dampened Huck towel or cloth and allowed to air dry before use. Failure to comply may result in food being contaminated.

For food contact surfaces (such as tables and counters), spray surface with Germicidal Green 232, and then wipe to remove food and grime. Germicidal Green 232 residue MUST be removed from tables and counters by wiping with water dampened Huck towel or cloth. Allow surface to air dry before use. For cleaning all other lunch/breakroom surfaces, it is not necessary to wipe with water dampened Huck towel or cloth.

While cleaning with Germicidal Green 232, lunch/swing rooms must be closed to prevent contact with food. Lunch/swing room closed signs are available for download on the MTSC Team Cleaning web page.

Please see the attached Safety Data Sheets (SDS) for PortionPac Germicidal Green 232 and Bioesque Disinfectant Solution.

SAFETY DATA SHEET

Revision Date 01-June-2020 **Version** 1

1. IDENTIFICATION

Product Identifier

Product Name PortionPac® Germicidal CleanerQ

Other means of Identification

SDS # 0232-Concentrate

Product Code 232

Registration Number 1839-168-8722

Recommended use of the chemical and restrictions on use

Recommended Use EPA Registered Germicidal Cleaner

Details of the Supplier of the Safety Data Sheet

Supplier Address

PortionPac Chemical Corporation 400 N. Ashland Avenue Chicago, IL 60622-6382 www.portionpaccorp.com

Emergency Telephone Number

Company Phone Number Phone: 312-226-0400 Fax: 312-226-5400

Emergency Telephone Number INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification

Product as sold

Skin corrosion/irritation Category 2

Serious eye damage/irritation Category 2

Signal Word

Warning

Hazard Statements

Causes skin irritation. Causes serious eye irritation.

Precautionary Statements – Prevention

Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves and eye protection.

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice.

IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: get medical advice.

Product in use dilution

Does not have hazards as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200. However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
alkyl dimethyl benzyl ammonium chloride (C12-16)	68424-85-1	<5%
ethyl alcohol	64-17-5	<1%
citric acid	77-92-9	<1%

In the concentrations in this formulation, the ingredients listed below are considered to be non-hazardous according to OSHA 1910.1200:

water (CAS# 7732-18-5), octyl decyl dimethyl ammonium chloride (CAS# 32426-11-2), tetrasodium EDTA (CAS# 64-02-8), , didecyl dimethyl ammonium chloride (CAS# 7173-51-5), dioctyldimethylammonium chloride (CAS# 5538-94-3), poly(oxy-1,2-ethanediyl),alpha-undecyl-omega-hydroxy- (34398-01-1), free amine (proprietary), trisodium NTA (CAS# 5064-31-3), sodium hydroxide (CAS# 1310-73-2), ethylenediaminetriacetic acid, trisodium salt (CAS# 19019-43-3), trace fragrance and colorant added.

4. FIRST AID MEASURES

First aid measures

Eye Contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice.

Skin Contact Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: get medical advice.

Inhalation Remove to fresh air.

Ingestion Rinse mouth. Drink plenty of water.

Most important symptoms and effects, both acute and delayed

Symptoms May be harmful if swallowed. Small, unit dose pouch size would require the ingestion of multiple pouches to reach the dangerous level. In concentrated form, causes skin irritation and serious eye irritation.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

Suitable Extinguishing Media Measures that are appropriate to circumstances and the surrounding environment.
Unsuitable Extinguishing Media Not determined.
Specific hazards arising from the chemical Not determined.
Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Personal precautions, protective equipment and emergency procedures

Personal precautions Use personal protective equipment as described in Section 8 of this Safety Data Sheet.

Environmental precautions See Section 12 of this Safety Data Sheet for additional ecological information.

Methods and material for containment and cleaning up

Methods for containment Concentrated materials are packed in unit-dosed pouches limiting any spills to very small quantities.

Methods for cleaning up Paper toweling or mopping is usually sufficient.

Precautions for safe handling

Advice on safe handling Foods contaminated by germicides should be discarded and utensils, etc. should be rinsed with potable water before use. Avoid contact with skin, eyes or clothing. Wash hands and any exposed skin thoroughly after handling. Keep out of reach of children.

Conditions for safe storage, including any incompatibilities

Storage conditions Keep containers in a dry, cool and well-ventilated place. Do not store near heat or open flame.

Incompatible materials None known.

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
ethyl alcohol	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m3 (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m3	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m3
citric acid		15 mg/ m3 (total)	-

Appropriate engineering controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear protective glasses when mixing product.

Skin and body protection Wear gloves when mixing product.

Respiratory protection Provide adequate ventilation.

General Hygiene Considerations Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking.

Information on basic physical and chemical properties

Physical State Liquid
Appearance Green liquid
Color Green
Odor Fresh odor
Odor Threshold Not determined

Property	Values	Remarks • Method
pH	6 – 7	
Melting point/freezing point	Not determined.	
Boiling point/boiling range	200 °F (93.33 °C)	
Flash point	> 201.0 °F (> 93.9 °C)	

Evaporation rate	Not determined.	
Flammability (solid, gas)	Not applicable.	
Flammability Limits in Air		
Upper flammability limits	Not determined.	
Lower flammability limit	Not determined.	
Vapor pressure	Not determined.	
Vapor density	Not determined.	
Specific Gravity	Not determined.	(1=Water)
Water solubility	Completely soluble.	
Solubility in other solvents	Not determined.	
Partition coefficient	Not determined.	
Autoignition temperature	Not determined.	
Decomposition temperature	Not determined.	
Kinematic viscosity	Not determined.	
Dynamic viscosity	Not determined.	

Reactivity	Not reactive under normal conditions.
Chemical stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	None under normal processing.
Conditions to avoid	Keep out of reach of children.
Incompatible materials	None known.
Hazardous Decomposition Products	None known.

Information on likely routes of exposure Eye or skin contact, ingestion or inhalation.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
didecyldimethylammonium chloride 7173-51-5	= 84 mg/kg (Rat)	-	-
alkyl dimethyl benzyl ammonium chloride (C12-16) 68424-85-1	= 426 mg/kg (Rat)	-	-
ethyl alcohol 64-17-5	= 7060 mg/kg (Rat)		= 124.7 mg/L (Rat) 4 h
Tetrasodium EDTA 64-02-8	= 1658 mg/kg (Rat) = 10 g/kg (Rat)	-	-
Citric acid 77-92-9	= 3 g/kg (Rat) = 3000 mg/kg (Rat)	-	-

Information on physical, chemical and toxicological effects

Symptoms See section 4.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity Ethanol has been shown to be carcinogenic in long-term studies only when consumed as an alcoholic beverage.

Chemical Name	ACGIH	IARC	NTP	OSHA
ethyl alcohol 64-17-5	A3	Group 1	Known	X

Numerical measures of toxicity - Product

ATEmix (oral) 39,083.00 mg/kg

Ecotoxicity An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Crustacea
ethyl alcohol 64-17-5		13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static 12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static	10800: 24 h Daphnia magna mg/L EC50 2: 48 h Daphnia magna mg/L EC50 Static 9268 - 14221: 48 h Daphnia magna mg/L LC50
tetrasodium EDTA 64-02-8	1.01: 72 h Desmodesmus subspicatus mg/L EC50	59.8: 96 h Pimephales promelas mg/L LC50 static 41: 96 h Lepomis macrochirus mg/L LC50 static	610: 24 h Daphnia magna mg/L EC50
citric acid 77-92-9		1516: 96 h Lepomis macrochirus mg/L LC50 static	120: 72 h Daphnia magna mg/L EC50

Persistence and degradability Not determined.
Bioaccumulation Not determined.

Mobility

Chemical Name		Partition Coefficient
ethyl alcohol	64-17-5	-0.32
citric acid	77-92-9	-1.72

Other adverse effects Not determined.

Waste treatment methods

Disposal of wastes Dispose of in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Dispose of in accordance with applicable regional, national and local laws and regulations.

California Hazardous Waste Status

ethyl alcohol Toxic, ignitable.

DOT Not regulated.
IATA Not regulated.
IMDG Not regulated.

International Inventories

Chemical Name	TSCA	DSL.NDSL	EINECSELINCS	ENCS	IECSC	KECL	PICCS	AICS
alkyl dimethyl benzyl ammonium chloride (C12-16)	X	X	X	Present	X	Present	X	X
decyldimethyloctylammonium Chloride	X	X	X		X	Present	X	
tetrasodium EDTA	X	X	X	Present	X	Present	X	X
didecyldimethylammonium chloride	X	X	X	Present	X	Present	X	X
N, N-dioctyl-N, N-dimethylammonium Chloride	X	X	X		X	Present	X	X
alcohol ethoxylate	X	X	X		X	Present	X	X
ethyl alcohol	X	X	X	Present	X	Present	X	X
citric acid	X	X	X	Present	X	Present	X	X

US Federal Regulations

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain chemicals which are subject to reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals. The ethyl alcohol referred to in Proposition 65 is EDF-026 – "ethyl alcohol in alcoholic beverages"

U.S. State Right-to-know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
ethyl alcohol	X	X	X

U.S. EPA Label Information EPA Reg. No. 1839-168-8722

EPA Statement This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets and workplace labels of non-pesticides. Following is the EPA required hazard information:

EPA Label Signal Word: Danger

Keep out of reach of children. Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or on clothing. May be fatal if absorbed through the skin. Harmful if swallowed. Wear goggles or face shield, rubber gloves, and protective clothing. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

	Health hazards	Flammability	Instability	Special hazards
NFPA	1	0	0	N/A
	Health hazards	Flammability	Physical hazards	Personal Protection
HMIS	1	0	0	B

Issue Date 01-June-2020

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

SAFETY DATA SHEET

SECTION 1 : PRODUCT IDENTIFICATION

BIOESQUE® SOLUTIONS

Product Name : **Bioesque Botanical Disinfectant Solution**
Product Use : Surface Disinfectant
Scent: Lemongrass Grapefruit

Supplier: Natureal, LLC
Address: 150 East Palmetto Park Road, Suite 150, Boca Raton, FL 33432
Telephone: 800-921-4634
Emergency phone: (866) 898-0697
E-Mail: info@bioesquesolutions.com
Web site: www.bioesquesolutions.com

SECTION 2 : HAZARD INDENTIFICATION

WHMIS Class : Exempt
TSCA: All the ingredients are listed or exempt from listing on the Chemical Substance Inventory.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS#	Wt %	TLV	LC_{50}	LD_{50}
Thymol	89-83-8	0.23	N/A	N/A	980 mg/Kg (oral, rat)

SECTION 4 : FIRST AID MEASURES

Eye: Remove contact lenses. Rinse with plenty of water for several minutes, keeping eyelids open.

Skin: Rinse with water. Remove spoiled clothes and wash before wearing.

Inhalation : N/A

Ingestion: Seek medical attention if large quantities are ingested.

SECTION 5 : FIRE FIGHTING MEASURES

Flammability : No

Flash Point (ASTM D-93, °C) : >100

Hazardous Combustion Products: Carbon oxides, sulfur oxides.

Suitable extinguishing media: As per surrounding fire.

Special Fire Fighting Procedure: As per surrounding fire.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedure: Stop leak, Rinse to drain or absorb with non-reactive adsorbent and dispose according to existing federal, state, provincial and municipal regulations. Resume cleaning by rinsing with water.

SECTION 7 : HANDLING AND STORAGE

Handling: Follow standard safe handling of materials. Keep out of reach of children.

Storage Requirements: Keep in original tightly closed containers, in a room below 30 °C.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

For use with mechanical, manual, or battery/power operated sprayers, follow standard safe handling of materials. For ULV Fogger applications, wear safety glasses with side shields or goggles to protect eyes. Face mask (N95) is also recommended for ULV Fogger applications.

SECTION 9 : PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point (°C) : 100
Vapor Pressure (mm Hg) : N/A
Vapor Density (Air = 1) : N/A
Solubility in water : complete
Physical State : liquid
Appearance: transparent to translucent
Odour: spicy scent

Density (g/mL): 0.999 at 23 °C
VOC (Wt %) : calculated approx. <1%
Evaporation Rate (Water + 1) : water like
pH (as supplied) : 4.0 – 6.0
Viscosity : water like
Odour Threshold (ppm) : N/A

SECTION 10 : STABILITY AND REACTIVITY DATA

Conditions for Chemical Instability: This product is stable under normal conditions. It does not polymerize.

Conditions to Avoid: Excessive heat.

Incompatible Materials: Strong oxidizing agents, strong alkalis, strong acids.

Hazardous Decomposition Products: The thermal decomposition can produce carbon and sulfur oxides and other organic substances.

SECTION 11 : TOXICOLOGICAL INFORMATION

Routes of Entry: Eyes, skin, ingestion, inhalation.

EFFECTS OF ACUTE EXPOSURE :
Acute Oral Toxicity: LD50:>5000 mg/Kg (EPA Category IV).
Acute Dermal Toxicity: LD50:>5000 mg/Kg (EPA Category IV).
Acute Inhalation Toxicity: LC50:>2.01 mg/L (EPA Category IV).
Acute Eye Irritation: Minimal, all effects cleared in 24 hours (EPA Category IV).
Acute Dermal Irritation: Slight, no erythema or edema at 72 hours (EPA Category IV).
Skin Sensitization: Not a sensitizer (EPA Category IV).

Classified as a Category IV by the U.S. Environmental Protection Agency (EPA) per toxicity profile Review for all routes of exposure: no signal words, no precautionary statements or first aid statements required on product label.

EFFECTS OF CHRONIC EXPOSURE :
Irritancy: Frequent prolonged contact may result in dry skin, redness and dermatitis.
Carcinogenicity/Mutagenicity: No, not predictable.

SECTION 12 : ECOLOGICAL INFORMATION

Biodegradability: Readily Biodegradable (OECD 301E)

Aquatic toxicity: Not toxic to aquatic life (IC50 > 100 mg/L, report EPS 1 / RM / 24)
Method: Microtox® Acute Toxicity Test
Test organism: *Vibrio fischeri*
Results: CI 50-5 min 560mg/l
IC 95 %-5 min 500-600 mg/L
CI 50-15 min 660 mg/L
IC 95 %-15 min 540-780 mg/L

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose according to existing federal, state/provincial and municipal regulations. This product is biodegradable.

SECTION 14 : TRANSPORT INFORMATION

D.O.T. Not regulated as dangerous goods.
Not regulated for **IATA.**

SECTION 15 : REGULATORY INFORMATION

U.S. EPA registration: 87742-1-92595
Health Canada: DIN 02486857
California Proposition 65: No chemicals in this material are subject to the reporting requirements.
NSF Registration No. 157263

SECTION 16 : OTHER INFORMATION

SDS Date of preparation/revision: 2020-03-31
Prepared by: LABORATOIRE M2 Inc.
Phone : 1-866-898-0697

THYMOX TECHNOLOGY

Disclaimer

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the mandatory requirements of WHMIS. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from result from the use of or reliance on any information contained in this form. If user requires independent information on ingredients in this or any other material, we recommend contact with the Canadian Center for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (1-800-263-8276) or CSST in Montreal (514-873-3990).

17 in

9 in

Bioesque Botanical Disinfectant Solution cleans, disinfects, deodorizes[1] and leaves a fresh botanical scent. Contains no Chlorine. No Phosphates. Kills over 99.9% of bacteria, germs*, viruses* in 4 minutes on hard, nonporous surfaces including: [1]Staphylococcus aureus • Methicillin-Resistant Staphylococcus aureus, MRSA • Salmonella enterica • Vancomycin-Resistant Enterococcus faecalis, VRE • [1]Pseudomonas aeruginosa • Listeria monocytogenes • Escherichia coli O157:H7 • Klebsiella pneumoniae NDM-1 positive • Streptococcus suis, in 2 minutes on hard, nonporous surfaces • [1]Trichophyton mentagrophytes ([1]Athlete's Foot Fungus), Candida albicans, in 3 minutes on hard, nonporous surfaces, • *Human Coronavirus, *HIV-1, Pandemic *Influenza A H1N1 Virus, *Respiratory Syncytial Virus (RSV) in 1 minute on hard, nonporous surfaces. • Mycobacterium bovis BCG (TB) in 3 minutes on hard, nonporous surfaces. *Norovirus in 4 minutes on hard, nonporous surfaces. [1]When used according to disinfection directions. Formulated for use with mechanical, manual, or battery/power operated sprayers. Bioesque Botanical Disinfectant Solution effectively controls cross contamination on treated precleaned, hard, non-porous, inanimate surfaces.

DIRECTIONS FOR USE: It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Heavily soiled or greasy surfaces require a pre-cleaning. Food must be removed or carefully protected prior to using this product.

TO DISINFECT: For use on hard nonporous surfaces. Spot test to check compatibility with the surface. Spray to thoroughly wet the surface to be disinfected. Surfaces must remain wet for 1 minute to eliminate viruses*, 2 minutes to eliminate bacteria, 3 minutes to eliminate fungi and M.bovis BCG (TB), and to disinfect Norovirus, let stand for 4 minutes. Allow to air dry. If desired, wipe dry. No rinse required, even on food contact surfaces.

TO SANITIZE: Spray to thoroughly wet the surface to be sanitized. Surfaces must remain wet for 30 seconds on hard nonporous surfaces and 2 minutes for soft surfaces.

TO SANITIZE PRECLEANED FOOD-CONTACT SURFACES: Spray to thoroughly wet the surface. Allow surface to remain wet for 60 seconds and air dry. No rinsing required. **TO CLEAN, DEODORIZE & REMOVE ALLERGENS[5]:** Spray the product on surface and wipe clean. To remove heavy soil let stand a few minutes and wipe clean. For soft surfaces: spray to wet surface and wipe or blot to clean. Always test an inconspicuous area first. [5]This product removes the following allergens: dust mite matter, cat dander, dog dander, mouse dander, rat dander, guinea pig dander, cockroach matter, peanut, birch pollen, timothy grass pollen, rag weed pollen.

TO CLEAN VIA FOGGING: This product can be applied effectively with a ULV fogger as a supplement to normal cleaning procedures on restoration and remediation projects in confined, vacant areas of schools, healthcare facilities, and in HVAC systems as well other vacant, indoor areas. It is effective for pre-cleaning or as a supplement to final cleaning. Do not dilute. This product is ready-to-use in ULV foggers. Seal off doors and windows in the area prior to fogging. After fogging, vacate the treated area during the treatment interval as specified by the device manufacturer, and do not re-enter the treated area until all fog has settled or been exhausted. After the treatment interval, ventilate the treated area until the air is purged of all suspended product. Do not operate equipment in the fogged area until the treatment is dry. When fogging as a pre-treatment, follow the cleaning and disinfection procedures on the product label.

BIOESQUE

BOTANICAL DISINFECTANT SOLUTION

Lemongrass Grapefruit Scent

Kills 99.9% of Bacteria, Viruses*, Fungi & Molds

FORMULATED WITH THYMOX TECHNOLOGY

Kills Norovirus in Just 4 Minutes

Eliminates 99.9% of most Allergens[5]

No Rinse Required, even on Food-Contact Surfaces

Sanitizes Soft Surfaces in 2 minutes

Kills Odor Causing Bacteria

Heavy-Duty Cleaner and Disinfectant[1]

Bactericidal · Virucidal* · Tuberculocidal · Fungicidal

4 MIN KILL TIME

Net Contents:
1 Gallon (3.78 L)

Active Ingredient:
Thymol (Present as a component of thyme oil)...0.23%
Other Ingredients.....99.77%
Total.....100.00%

KEEP OUT OF REACH OF CHILDREN

AIR DEODORIZER: Spray this product in your kitchen, bathroom, living room, or anywhere lingering and or unpleasant odors occur in the air to deodorize instantly.

***KILLS HIV-1 ON PRECLEANED ENVIRONMENTAL SURFACES/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/body fluids and in which the surfaces/objects likely to be soiled with blood/body fluids can be associated with the potential for transmission of HIV-1 (associated with AIDS). **SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1 OF SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS. PERSONAL PROTECTION:** When handling items soiled with blood or body fluids, use disposable protective latex gloves, gown, masks and eye protection. **CLEANING PROCEDURES:** Blood/body fluids must be thoroughly cleaned from surfaces/objects before application of Bioesque Botanical Disinfectant Solution. **CONTACT TIME:** Allow surface to remain wet for 1 minute. A 2 minute contact time is needed for bacteria and a 3 minute contact time for fungi and M. bovis. **DISPOSAL OF INFECTIOUS MATERIAL:** Blood/body fluids should be autoclaved and disposed of according to local regulations for infectious waste disposal.

Note: This product is not to be used as a terminal sterilant / high level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high-level disinfection.

Suitable for use on hard, non-porous surfaces and locations in commercial, restoration, decontamination & remediation sites, fire, water, sewage, fungal contamination applications including: Hospitals, Schools, Ambulances, Hotels and Motels, Health Care Facilities, Institutional Facilities, Clinics, Public Areas, Nursing Homes, Offices, Day Care Centers, Airports/Airplanes, Nurseries, Medical/Dental Offices, Restaurants, Basements, Attics, Crawl Spaces. Use on any hard, non-porous surfaces and materials including: CPAP Systems, Nebulizers, Mask, ventilators, CPAP and BiPAP tubing and other respiratory care device accessories, Coils and drain pans of air conditioning and refrigeration equipment & heat pumps, metal, steel, range hoods, cabinets, countertops, trash cans, floors, toilet seats, sealed wood, windows/glass, sealed marble. Soft surface sanitizing uses: upholstery, area rugs, fabric, mattress surfaces, cotton, polyester, bedding.

STORAGE AND DISPOSAL: Do not contaminate water, food or feed by storage or disposal. **PESTICIDE STORAGE:** Store at room temperature 20-25C/68F-77F in a secure area inaccessible to children. **PESTICIDE DISPOSAL:** Use up product in accordance to use directions. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **CONTAINER DISPOSAL:** Nonrefillable container. Do not reuse or refill empty container. Offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or incinerate, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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Patented Technology
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