

Ruhof Biocide® Detergent Disinfectant Pump Spray

Item No. 34566

Quaternary Germicide Disinfectant

**CLEANER • DEODORIZER • DISINFECTANT
VIRUCIDE • TUBERCULOCIDAL**



Ruhof Biocide® Detergent Disinfectant Pump Spray is a ready-to-use quaternary germicide cleaner and disinfectant for use in patient rooms, operating rooms, ICU areas, public restrooms, or any other area that needs to be disinfected. It is formulated to be highly effective against a broad-spectrum of pathogenic microorganisms, including bacteria, antibiotic resistant bacteria, viruses, fungi, mold and mildew.

Ruhof Biocide® Detergent Disinfectant Pump Spray is for use on all hard, non-porous inanimate environmental surfaces: floors, walls, metal surfaces, stainless steel surfaces, bathrooms, shower stalls, bathtubs, cabinets, etc. In addition, this product deodorizes smelly areas such as garbage storage areas, empty garbage bins and cans, basements, restrooms and other places which are prone to odors caused by microorganisms.

When used as directed, the product is effective against:

- Mycobacterium tuberculosis (BCG) at 20 degrees C
- Staphylococcus aureus
- Salmonella choleraesuis
- Pseudomonas aeruginosa
- Clostridium difficile vegetative form (C.diff)
- Escherichia coli 0157:H7
- Methicillin resistant Staphylococcus aureus (MRSA)
- Vancomycin intermediate resistant Staphylococcus aureus (VISA)
- Vancomycin resistant Enterococcus faecalis (VRE)
- H.I.V.-1 virus (associated with AIDS)
- Canine Parvovirus
- Poliovirus Type 1
- Hepatitis B virus (HBV)
- Tricophyton mentagrophytes (athlete's foot fungus)
- Mold and mildew

RUHOF BIOCIDE® DETERGENT DISINFECTANT PUMP SPRAY EFFECTIVELY KILLS HIV-1 AND HBV ON PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS in healthcare 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 can be associated with the potential for the transmission of Human Immunodeficiency Virus type 1 (HIV-1, associated with AIDS) and Hepatitis B Virus (HBV).

See reverse side for Directions for Use.

Ruhof Biocide® Detergent Disinfectant Pump Spray

Directions for Use

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. **RUHOF BIOCIDE® Detergent Disinfectant Pump Spray** 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.

DISINFECTION, DEODORIZING AND CLEANING – Remove gross filth of heavy soil prior to application of the product. Hold container six to eight inches from surface to be treated. Spray area until it is covered with the solution. Allow product to penetrate and the surface to remain wet for **3 minutes** (for Blood-borne Pathogens: allow surface to remain wet for HIV-1 **1 minute** and for HBV and HCV **5 minutes**). No scrubbing is necessary. Wipe off with a clean cloth, mop or sponge, the product will not leave grit or soap scum. **One-Step cleaning and disinfection of toilet bowls and urinals:** Remove water from bowl by forcing water over trap with a swab mop applicator. Press swab mop against side of the bowl to remove excess water from applicator. Apply 1 to 2 ounces of this product evenly, allowing sufficient time for product to cover entire surface of bowl for maximum cleaning. Swab bowl completely using a scrub brush or toilet mop, making sure to get under the rim. Let stand for **3 minutes** (for Blood-borne Pathogens: allow surface to remain set for HIV-1 **1 minute** and for HBV and HCV **5 minutes**) and flush.

EFFICACY TESTS HAVE DEMONSTRATED THAT THIS PRODUCT IS AN EFFECTIVE BACTERICIDE, FUNGICIDE, AND VIRUCIDE IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM).

CAUTION: KEEP OUT OF REACH OF CHILDREN. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

FOR ADDITIONAL INFORMATION PLEASE REFER TO THE RUHOF BIOCIDE® DETERGENT DISINFECTANT PUMP SPRAY'S BOTTLE LABEL.




Section 1 - Product Information

Product Name: Ruhof Biocide	Supplier	The Ruhof Corporation
Product Code: 34566	Information Phone: 1-800-537-8463	Address 393 Sagamore Avenue Mineola NY 11501
Product Use: Detergent Disinfectant	Emergency Contact: 1-800-424-9300 (Chemtrec)	

Section 2 - Hazards Identification

GHS Classification Respiratory Sensitization Category 2

Section 2.1 Label Elements

Hazard Pictograms	Precautionary Statements
	Prevention <ul style="list-style-type: none">Wear eye/face protection.Avoid breathing dust/fume/gas/mist/vapors/spray.In case of inadequate ventilation wear respiratory protection. Eyes <ul style="list-style-type: none">IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.Immediately call a POISON CENTER or doctor/physician. Inhalation <ul style="list-style-type: none">IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathingIf experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
Signal Word: Warning	
Hazard Statements: Causes eye irritation	

Section 3 - Composition/Information on Ingredients

Chemical Name	CAS-No	Weight %	Trade secret
N-ALKYL(60%C14;30%C16;5%C12;5%C18		-	*
DIMETHY BENZYL AMMONIUM CHLORIDES		-	*
N-ALKYL(68%C12;38%C14) DIMETHYL		-	*
ETHYLBENZYL AMMONIUM CHLORIDES		-	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

General Advice	If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Immediate medical attention is required.
Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
Inhalation	Move to fresh air. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, give oxygen. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
Ingestion	Do NOT induce vomiting. Drink plenty of water. If symptoms persist, call a physician.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media No information available.

Specific Hazards Arising from the Chemical

May cause sensitization by inhalation Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Evacuate personnel to safe areas. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Keep people away from and upwind of spill/leak.

Environmental Precautions Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Prevent entry into waterways, sewers, basements or confined areas.

Methods and materials for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Handling Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not breathe vapors or spray mist. Use only in area provided with appropriate exhaust ventilation. Do not eat, drink or smoke when using this product.

Storage Keep in properly labeled containers. Keep out of the reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Products None known based on information supplied.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Appropriate engineering controls

Engineering Measures Showers, Eyewash stations, Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection Wear safety goggles.

Skin and Body Protection Lightweight protective clothing. Impervious gloves.

Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene Measures When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.



9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Odor	Appearance	pH	Melting Point/Range	Boiling Point
Liquid	Mild	Light Yellow	11-12	No data available	>100C
Flash Point	Flammability Limits	Vapor Pressure	Specific Gravity	Water Solubility	Flammable Properties
No data available	No data available	No data available	1.01-1.03	Soluble	Not Flammable

10. STABILITY AND REACTIVITY

Reactivity	No data available.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	None under normal processing.
Hazardous Polymerization	Hazardous polymerization does not occur.
Conditions to avoid	None known based on information supplied.
Incompatible materials	None known based on information supplied.
Hazardous decomposition products	None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Inhalation	May be harmful if inhaled
Eye Contact	Irritating to eyes. Causes serious eye damage.
Skin Contact	May cause irritation.
Ingestion	There is no data available for this product.
Delayed and immediate effects and also chronic effects from short and long term exposure	
Sensitization	May cause sensitization of susceptible persons. May cause sensitization by inhalation.
Carcinogenicity	Contains no ingredients above reportable quantities listed as a carcinogen.
Chronic Toxicity	Avoid repeated exposure. Repeated contact may cause allergic reactions in very susceptible persons.
Target Organ Effects	Respiratory system. Eyes. Skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity	The product is not expected to be hazardous to the environment.
Persistence and Degradability	No information available.
Bioaccumulation	The product does not contain any substances expected to be bioaccumulating.
Other Adverse Effects	No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods	Dispose of in accordance with federal, state, and local regulations
Contaminated Packaging	Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).
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15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture	
EU Legislation	The UN Globally Harmonized System (GHS) Safety Data Sheet format (Annex IV) is implemented as Annex II of REACH EU No 453/2010 of 20th May 2010 amending regulation (EC) No 1907/2006
National Regulations	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689. Workplace Exposure Limits 2005 (EH40)

16. OTHER INFORMATION

NFPA	Health Hazard 1	Flammability 0	Instability 0	Physical and Chemical Hazards -
HMS	Health Hazard 1	Flammability 0	Physical Hazard 0	Personal Protection X



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Revision Date 15-May-2015
Revision Note 29-Jul-2015_Rev-01

General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of Safety Data Sheet