



AVISTAT-D™

Ready-To-Use Spray Disinfectant Cleaner

DESCRIPTION

This product is a general, ready-to-use cleaner and disinfectant for use in homes, hospitals, nursing homes, shower rooms, locker rooms, public restrooms, schools, food service establishments, restaurants, transportation terminals, office buildings, manufacturing facilities, lodging establishments, retail businesses and athlete/recreational facilities where housekeeping is of prime importance in controlling the hazard of cross contamination. It is formulated to disinfect hard, nonporous, inanimate environmental surfaces: floors, walls, metal surfaces, stainless steel surfaces, glazed porcelain, glazed ceramic tile, plastic surfaces, chrome, brass, copper, laminated surfaces, bathrooms, shower stalls, bathtubs, and cabinets. For plastic and painted surfaces, spot test on an inconspicuous area before use. Deodorizes those areas that generally are hard to keep fresh smelling, such as garbage storage areas, empty garbage bins and cans, basements, restrooms and other areas which are prone to odors caused by microorganisms.

PRODUCT FEATURES / BENEFITS

- One step bathroom disinfectant cleaner / Multiple activity reduces maintenance inventory costs
- Effective against MRSA, CA-MRSA, HIV-1 (Aids virus), HBV (Hepatitis B), HCV (Hepatitis C) and Mycobacterium Tuberculosis (TB) / Reduces contamination risks
- Non-acid / Will not harm personnel or ruin surfaces
- Long lasting odor / Superior deodorization
- Powerful disinfectant / Effective in presence of organic soil (5% blood serum)

SPECIFICATIONS

| | |
|-------------------------------|-----------------|
| Active Ingredients | Dual Quaternary |
| Color | Opal |
| Odor | Floral Citrus |
| Viscosity (cps) | <10 |
| pH | 12.2 ± 0.3 |
| Specific Gravity (g/cc) | 1.01 ± 0.01 |

EFFICACY CLAIMS

VIRUCIDAL CLAIMS

- Bovine Viral Diarrhea Virus (BVDV)
- Canine Parvovirus (ATCC VR-2017)
- Feline Calicivirus (FCV)
- Hepatitis A Virus (HAV)
- Hepatitis B Virus (HBV)
- Hepatitis C Virus (HCV)
- Duck Hepatitis B Virus – BVDV
- Bovine Viral Diarrhea Virus – BVDV
- Human Immunodeficiency Virus, HTLV-IIIIF, strain of HIV-1 (associated with AIDS)
- Human Coronavirus, (ATCC VR-740, strain 229E)
- Norovirus (Norwalk Virus)
- Poliovirus Type 1, strain Brunhilde (ATCC VR-1000)
- Paramyxovirus (Mumps) (ATCC VR-1438),
- SARS Associated Coronavirus (ZeptoMetrix)
- Avian Influenza A strain H3N2 (ATCC VR-2072)
- Avian Influenza A strain H9N2 (Charles River Laboratories) (Strains H3N2 and H9N2)
- Rabies Virus (attenuated ERA strain, CDC)
- Rhinovirus Type 39 (ATCC VR-340)
- Rotavirus

TUBERCULOCIDAL CLAIM

- Mycobacterium bovis (BCG)

FUNGICIDAL CLAIM

- Aspergillus niger (ATCC 6275)
- Trichophyton mentagrophytes (ATCC 9533)

BACTERIOCIDAL CLAIMS

- Staphylococcus aureus (ATCC 6538)
- Salmonella choleraesuis (ATCC 10708)
- Pseudomonas aeruginosa (ATCC 15442)
- Corynebacterium ammoniagenes (ATCC 6871)
- Enterococcus faecium (ATCC 6569)
- Escherichia coli (ATCC 11229)
- Escherichia coli O157:H7 (ATCC 43895)
- Listeria monocytogenes (ATCC 35152)
- Salmonella typhi (ATCC 6839)
- Salmonella (choleraesuis) enterica, (ATCC 10708)
- Salmonella (typhi) enterica, (ATCC 6539)
- Streptococcus pyogenes
- (Necrotizing Fasciitis - Group A) (V.A. Medical Center Isolate 04001)
- Yersinia enterocolitica (ATCC 23715)
- Methicillin resistant Staphylococcus aureus (MRSA) (ATCC 33593)
- Community Associated Methicillin resistant Staphylococcus aureus (CA-MRSA), (NRS 123) Genotype USA400
- Community Associated Methicillin resistant Staphylococcus aureus (CA-MRSA), (NRS 384) Genotype USA300
- Methicillin resistant Staphylococcus epidermidis (MRSE) (ATCC 51625)
- Vancomycin resistant Enterococcus faecalis (VRE) (ATCC 51575)
- Vancomycin intermediate resistant Staphylococcus aureus (VISA) (CDC Isolate 99287)

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. This product is not for use on critical or semi-critical medical device surfaces.

DISINFECTION, DEODORIZING AND CLEANING - Remove gross filth or 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 Bloodborne 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. To disinfect food service establishment food contact surfaces: countertops, appliances, tables, hold container six to eight inches from the surface to be treated and spray area until it is covered with the solution. Allow to penetrate and remain wet for 3 minutes (for Bloodborne Pathogens: allow surface to remain wet for HIV-1 1 minute and for HBV and HCV 5 minutes). Wipe off with a clean cloth, mop or sponge and thoroughly rinse all surfaces in the area with potable water. Heavily soiled areas must be pre-cleaned before using this product. Do not use on eating utensils, glassware and cookware.

TUBERCULOCIDAL ACTIVITY – This product exhibits disinfectant efficacy against Mycobacterium tuberculosis BCG at 20 degrees Centigrade when the treated surface is allowed to remain wet for 5 minutes.

***VIRUCIDAL ACTIVITY** – This product kills on hard, non-porous inanimate surfaces when allowed to remain wet for a 10 minute contact time against: Hepatitis A Virus (HAV), Poliovirus Type 1, Canine Parvovirus. KILLS HIV-1, HBV AND HCV ON PRECLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS in health care settings (Hospitals, Nursing Homes) 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 1 (HIV-1) (associated with AIDS), Hepatitis B Virus (HBV), and Hepatitis C Virus (HCV).

SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1, HBV AND HCV ON SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS. PERSONAL PROTECTION: When handling items soiled with blood or body fluids use disposable latex gloves, gowns, masks, or eye coverings. **CLEANING PROCEDURES:** Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of this product. **CONTACT TIME:** Allow surface to remain wet for HBV and HCV 5 minutes, for HIV-1 1 minute. These contact times will not control other common types of viruses and bacteria. **DISPOSAL OF INFECTIOUS MATERIALS:** Blood and other body fluids should be autoclaved and disposed of according to local regulations for infectious waste disposal.

FUNGICIDAL ACTIVITY – This product is fungicidal against the pathogenic fungus, Trichophyton mentagrophytes (Athlete's Foot Fungus), when used with a 10 minute contact time on clean, non-porous, hard surfaces as found in bathrooms, shower stalls, locker rooms, or other areas commonly contacted by bare feet.

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

MILDEWSTAT - To control mold and mildew on pre-cleaned, hard, non-porous surfaces spray surface to be treated making sure to wet completely. Let air dry. Repeat application at weekly intervals or when mildew growth appears.

SAFETY INFORMATION

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.

FIRST AID: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person. If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

STORAGE AND DISPOSAL: DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.

Registered with the Environmental Protection Agency



DISINFECTANT



World Class Cleaning Solutions®

401 N. 10th Street • Philadelphia, PA 19123
1-800-NAT-CHEM • 215-922-1200 • FAX: 215-922-5517
www.nclonline.com • e-mail:info@nclonline.com

TDS-0252-0615

SAFETY DATA SHEET

Section 1 - Identification

Product Identifier AVISTAT-D™ Ready-To-Use Spray Disinfectant Cleaner
Other means of identification 0252
Recommended use Disinfectant.
Recommended restrictions For commercial and industrial use only.

Manufacturer / Importer / Supplier / Distributor Information

Company Name National Chemical Laboratories of PA, Inc.
Address 401 N. 10th Street - Philadelphia, PA 19123
Telephone 1 (215) 922-1200
Supplier Email info@nclonline.com
Contact CHEM-TEL
Emergency Phone 1 (800) 255-3924

Section 2 - Hazard(s) Identification

| | Classification | Category |
|--|--|-----------------|
| Physical Hazards | Not Classified | |
| Health Hazards | Serious eye damage/eye irritation | 2B |
| Environmental Hazards | Hazardous to the aquatic environment, acute hazard. | 2 |
| | Hazardous to the aquatic environment, long-term hazard. | 3 |
| OSHA defined hazards | Not Classified. | |
| Label Elements | | |
| Hazard Symbol | None. | |
| Signal Word | Warning | |
| Hazard Statement | Causes eye irritation. Toxic to aquatic life. Harmful to aquatic life with long lasting effects. | |
| Precautionary statement | | |
| Prevention | Wash thoroughly after handling. Avoid release to the environment. | |
| 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/attention. | |
| Storage | Store away from incompatible materials. | |
| Disposal | Dispose of contents/container in accordance with local/regional/national/international regulations. | |
| Hazard(s) not otherwise classified (HNOC) | None known. | |

Section 3 - Composition/Information on ingredients

Mixture

| Hazardous Components | Ingredient Name | CAS # | % |
|-----------------------------|---|--------------|----------|
| | 2-(2-Butoxyethoxy) Ethanol | 112-34-5 | 5 - 10 |
| | Tetrasodium ethylenediamine tetraacetate | 64-02-8 | 1 - 5 |
| | _Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride (Alternate CAS 68956-79-6) | 85409-23-0 | 0.105 |
| | _Alkyl Dimethyl Benzyl Ammonium Chloride (C12-C18) | 68391-01-5 | 0.105 |

Composition Comments Components not listed are either non-hazardous or are below reportable limits.

Section 4 - First-aid Measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

Ingestion Rinse mouth. Get medical attention if symptoms occur.

Most Important symptoms /effects, acute and delayed Exposed individuals may experience eye tearing, redness, and discomfort.

SAFETY DATA SHEET

| | |
|--|--|
| Indication of immediate medical attention and special treatment | If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately. |
| General Information | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. |

Section 5 - Fire-fighting measures

| | |
|--|---|
| Suitable extinguishing media | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). |
| Unsuitable extinguishing media | Do not use water jet as an extinguisher, as this will spread the fire. |
| Specific hazards arising from the chemical | During fire, gases hazardous to health may be formed. |
| Special protective equipment and precautions for firefighters | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| Fire-fighting equipment /instructions | Move containers from fire area if you can do so without risk. |
| General fire hazards | Use standard firefighting procedures and consider the hazards of other involved materials. |
| Specific Methods | No unusual fire or explosion hazards noted. |

Section 6 - Accidental release measures

| | |
|---|---|
| Personal precautions, protective equipment and emergency procedures. | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. |
| Methods and materials for containment and cleaning up | Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent product from entering drains. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA. |
| Environmental precautions | Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground. |

Section 7 - Handling and storage

| | |
|---|--|
| Precautions for safe handling | Avoid contact with eyes. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Avoid release to the environment. Do not empty into drains. |
| Conditions for safe storage, including any incompatibilities | DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. PESTICIDE STORAGE: Store in a dry place no lower in temperature than 50°F or higher than 120°F. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS). |

Section 8 - Exposure control/personal protection

| | | | |
|---|--|--------|-------------------------------|
| Occupational exposure limits | No exposure limits noted for ingredient(s). | | |
| US. ACGIH Threshold Limit Values | | | |
| Component | Type | Value | |
| 2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5) | TWA | 10 ppm | Inhalable fraction and vapor. |
| Biological limit values | No biological exposure limits noted for the ingredient(s). | | |
| Appropriate engineering controls | Ensure adequate ventilation, especially in confined areas. Eye wash facilities and emergency shower must be available when handling this product. | | |
| Individual protection measures, such as personal protective equipment | | | |
| Eye/face protection | Wear safety glasses with side shields (or goggles). | | |
| Skin protection | | | |
| Hand protection | Wear protective gloves. | | |
| Other | Wear suitable protective clothing. | | |
| Respiratory protection | In case of insufficient ventilation, wear suitable respiratory equipment. | | |
| Thermal hazards | Wear appropriate thermal protective clothing, when necessary. | | |
| General hygiene considerations | Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. | | |

Section 9 - Physical and chemical properties

| | |
|-----------------------|---------|
| Appearance | |
| Physical state | Liquid. |
| Form | Liquid. |

SAFETY DATA SHEET

| | |
|--|--|
| Color | Opal, Clear. |
| Odor | Floral Citrus |
| Odor threshold | Not available. |
| pH | 12.2 |
| Melting point/freezing point | > 32 °F (> 0 °C) |
| Initial boiling point and boiling range | > 212 °F (> 100 °C) |
| Flash point | > 201 °F (> 93.9 °C) Pensky-Martens Closed Cup |
| Evaporation rate | Not available. |
| Flammability (solid, gas) | Not available. |
| Upper/lower flammability or explosive limits | |
| Flammability limit - lower (%) | Not available. |
| Flammability limit - upper (%) | Not available. |
| Explosive limit - lower (%) | Not available. |
| Explosive limit - upper (%) | Not available. |
| Vapor pressure | Not available. |
| Vapor density | Not available. |
| Relative density | 1.01 ± 0.01 g/ml |
| Relative density temperature | 75 °F (23.89 °C) |
| Solubilities | Complete. |
| Partition Coefficient n-octanol/water | Not available |
| Auto-ignition temperature | Not Available |
| Decomposition temperature | Not Available |
| Viscosity | <10 cSt |
| Viscosity Temperature | 75 °F (23.89 °C) |

Section 10 - Stability and reactivity

| | |
|------------------------------------|---|
| Reactivity | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| Chemical stability | Material is stable under normal conditions. |
| Possibility of hazardous reactions | No dangerous reaction known under conditions of normal use. |
| Conditions to Avoid | Avoid temperatures exceeding the flash point. Reacts violently with strong acids. This product may react with oxidizing agents. Do not mix with other chemicals. Contact with incompatible materials. |
| Incompatible materials | Strong oxidizing agents. Anionic surfactants |
| Hazardous Decomposition Products | Upon decomposition, this product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons. |

Section 11 - Toxicological information

Information on likely routes of exposure

| | |
|--------------|--|
| Ingestion | Expected to be a low ingestion hazard. |
| Inhalation | Prolonged inhalation may be harmful. |
| Skin contact | Causes mild skin irritation. |
| Eye contact | Causes eye irritation. |

Symptoms related to the physical, chemical and toxicological characteristics Exposed individuals may experience eye tearing, redness, and discomfort.

Information on toxicological effects.

Acute toxicity

| Components | Level | Type | Code | Species | Results |
|--|-------|------------|------|---------|--------------|
| _Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride (Alternate CAS 68956-79-6) (CAS 85409-23-0) | Acute | Dermal | LD50 | Rabbit | > 2000 mg/kg |
| | Acute | Inhalation | LC50 | | > 20 mg/l |
| Disinfectant Formula 02 (CAS Mixture) | Acute | Dermal | LD50 | Rabbit | > 5 g/kg |
| | Acute | Inhalation | LC50 | Rat | > 2.43 mg/l |
| | Acute | Oral | LD50 | Rat | > 5 g/kg |

| | |
|------------------------------------|--|
| Skin corrosion/irritation | Causes mild skin irritation. |
| Serious eye damage/ eye irritation | Causes eye irritation. |
| Respiratory sensitization | Not available. |
| Skin sensitization | This product is not expected to cause skin sensitization. |
| Germ cell mutagenicity | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |
| Carcinogenicity | This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. |

SAFETY DATA SHEET

| | |
|---|--|
| Reproductive toxicity | This product is not expected to cause reproductive or developmental effects. |
| Specific target organ toxicity - single exposure | Not applicable. |
| Specific target organ toxicity - repeated exposure | Not applicable. |
| Aspiration hazard | Not likely, due to the form of the product. |

Section 12 - Ecological Information

| | | | | | |
|---|---|------|---|--------------------------|--|
| Ecotoxicity | Toxic to aquatic life. Harmful to aquatic life with long lasting effects. | | | | |
| Component(s) | Tetrasodium ethylenediamine tetraacetate, 64-02-8 | | | | |
| Aquatic | | | | | |
| Acute | Fish | LC50 | Bluegill (<i>Lepomis macrochirus</i>) | 472 - 500 mg/l, 96 hours | |
| Persistence and degradability | Expected to be readily biodegradable. | | | | |
| Bioaccumulative potential | No data available. | | | | |
| Partition coefficient n-octanol / water log (Kow) | | | | | |
| Components | | | Results | | |
| 2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5) | | | 0.56 | | |
| Mobility in soil | No data available. | | | | |
| Other adverse effects | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. | | | | |

Section 13 - Disposal considerations

| | |
|--|---|
| Disposal instructions | <p>PESTICIDE DISPOSAL - Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.</p> <p>CONTAINER DISPOSAL - Nonrefillable container. Do not reuse or refill container. Clean container promptly after emptying. (For containers 5 gallons or less):</p> <p>Triple rinse as follows: Fill container 1/4 full with water and recap. Agitate vigorously. Drain for 10 seconds after the flow begins to drip. Follow Pesticide Disposal instructions for rinsate disposal. Repeat procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.</p> <p>(For containers greater than 5 gallons):</p> <p>Triple rinse as follows: Fill container 1/4 full with water. Tip container on its side and roll it back and forth, ensuring at least one complete revolution for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Follow Pesticide Disposal instructions for rinsate disposal. Repeat procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.</p> |
| Hazardous waste code | The waste code should be assigned in discussion between the user, the producer and the waste disposal company. |
| Waste from residues / unused products | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). |
| Contaminated packaging | Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. |

Section 14 - Transport information

| | |
|--|---|
| DOT | Not regulated as dangerous goods. |
| IATA | Not regulated as dangerous goods. |
| IMDG | Not regulated as dangerous goods. |
| Transportation in bulk according to Annex II of MARPOL 73/78 and IBC Code | This substance/mixture is not intended to be transported in bulk. |

Section 15 - Regulatory Information

| | | |
|---|---|--------|
| US federal regulations | <p>This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.</p> <p>This product is a U.S. EPA registered pesticide.</p> | |
| TSCA Section 12(b) Export Notification (40 CFR707, Subpt. D) | Not regulated. | |
| US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) | Not listed. | |
| CERCLA Hazardous Substance List (40 CFR 302.4) | | |
| Components | | Result |
| 2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5) | | LISTED |
| Superfund Amendments and Reauthorization Act of 1986 (SARA) | | |
| Hazard Categories | Immediate Hazard | Yes |
| | Delayed Hazard | No |
| | Fire Hazard | No |

SAFETY DATA SHEET

Pressure Hazard No
 Reactivity Hazard No
 SARA 302 Extremely hazardous substance No
 SARA 311/312 Hazardous chemical Yes
 SARA 313 (TRI reporting)

| | | |
|----------------------------|----------|----------|
| Chemical name | CAS # | % by wt. |
| 2-(2-Butoxyethoxy) Ethanol | 112-34-5 | 5 - 10 |
| Acetaldehyde | 75-07-0 | < 0.1 |

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HSPs) List

Components

2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

Food and Drug Administration (FDA) Not regulated.

US state regulations

US.Massachusetts RTK - Substance List

Components

2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5)

US.New Jersey Worker and Community Right-to-Know Act

Components

2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5)

US.Pennsylvania RTK - Hazardous Substances

Components

2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5)

Acetaldehyde (CAS 75-07-0)

US.Rhode Island RTK

Components

2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5)

US - California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

US - California Proposition 65 -

Carcinogens Reproductive Toxicity (CRT): Listed

Acetaldehyde (CAS 75-07-0)

International Inventories

| Country(s) or region | Inventory Name | On Inventory (yes/no)* |
|---------------------------|--|------------------------|
| Australia | Australian Inventory of Chemical Substances (AICS) | No |
| Canada | Domestic Substances List (DSL) | No |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | No |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | No |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | No |
| Korea | Existing Chemicals List (ECL) | No |
| New Zealand | New Zealand Inventory | No |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances | No |
| Unites States Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | No |

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

*A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Section 16 - Other information, including date of preparation or last version

Issue date 6/1/2015

Version # 01

Disclaimer

The information contained herein was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond the manufacturer's control, it is the user's responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense arising from the product's improper use. No warranty, expressed or implied, regarding the product described herein shall be created by or inferred from any statement or omission in this SDS. Various government agencies may have specific regulations concerning the transportation, handling, storage, use or disposal of this product which may not be reflected in this SDS. The user should review these regulations to ensure full compliance.

This product is designed specifically as a general non-acid cleaner and disinfectant for use in homes, hospitals, nursing homes, public restrooms, schools, transportation terminals, office buildings, manufacturing facilities, lodging establishments, retail businesses and athletic/recreational facilities where housekeeping is of prime importance in controlling the hazard of cross contamination. It is formulated to disinfect hard, non-porous, inanimate environmental surfaces: floors, walls, metal surfaces, stainless steel surfaces, glazed porcelain, glazed ceramic tile, plastic surfaces, bathrooms, shower stalls, bathtubs, and cabinets. **For plastic and painted surfaces, spot test on an inconspicuous area before use.** A rinse with potable water is required for surfaces in direct contact with food. In addition, this product deodorizes those areas that generally are hard to keep fresh smelling, such as garbage storage areas, empty garbage bins and cans, basements, restrooms and other areas which are prone to odors caused by microorganisms.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. This product is not for use on critical or semi-critical medical device surfaces.

DISINFECTION, DEODORIZING AND CLEANING - Remove gross filth or 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 Bloodborne 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 Bloodborne Pathogens: allow surface to remain wet for HIV-1 **1 minute** and for HBV and HCV **5 minutes**, in the presence of 5% blood serum and a **3 minute** contact time, unless otherwise noted, this product kills the following organisms on hard non-porous inanimate surfaces: **BACTERICIDAL ACTIVITY (BACTERIA):** Pseudomonas aeruginosa, Staphylococcus aureus, Salmonella (choleraesuis) enterica, Escherichia coli, Escherichia coli O157:H7, Streptococcus pyogenes (Necrotizing Fasciitis-Group A), Listeria monocytogenes, Yersinia enterocolitica, Enterococcus faecium, Corynebacterium amnionigenes, Salmonella (typhi) enterica. **ANTIBIOTIC-RESISTANT:** Methicillin resistant Staphylococcus aureus (MRSA), Vancomycin resistant Enterococcus faecalis (VRE), Vancomycin intermediate resistant Staphylococcus aureus (VISA), Methicillin resistant Staphylococcus epidermidis (MRSE), Community Associated Methicillin resistant Staphylococcus aureus (CA-MRSA), Genotype USA400, Community Associated Methicillin resistant Staphylococcus aureus (CA-MRSA) Genotype USA300. **TUBERCULOCIDAL ACTIVITY** - This product exhibits disinfectant efficacy against Mycobacterium tuberculosis BCG at 20° C when the treated surface is allowed to remain wet for **5 minutes**. **VIRUCIDAL ACTIVITY** - This product kills on hard, non-porous inanimate surfaces when allowed to remain wet for a **10 minute** contact time against: Hepatitis A Virus (HAV), Poliovirus Type 1, Canine Parvovirus. This product, when used on environmental, inanimate hard surfaces exhibits virucidal activity against: **Hepatitis B Virus (HBV), Hepatitis C Virus (HCV) and Bovine Viral Diarrhea Virus (BVDV)** when the treated surface is allowed to remain wet for **5 minutes; Human Coronavirus, SARS associated Coronavirus, Avian Influenza A strain H3N2 and Avian Influenza A strain H9N2 for 2 minutes; Paramyxovirus (Mumps), Rhinovirus type 39 and Rotavirus for 3 minutes; HIV-1 (associated with AIDS) for 1 minute; and Norovirus (Norwalk virus), Feline Calicivirus and Rabies Virus for 30 seconds.** Kills Pandemic 2009 H1N1 Influenza A Virus (formerly called swine flu).

ACTIVE INGREDIENTS
n-Alkyl (60% C₁₂, 30% C₁₀, 5% C₁₂, 5% C₁₀)
dimethyl benzyl ammonium chlorides.....0.105%
n-Alkyl (68% C₁₂, 32% C₁₄)
dimethyl ethylbenzyl ammonium chlorides.....0.105%
INERT INGREDIENTS.....99.790%
Total.....100.000%

Avistat-D™

Ready To Use

Spray Disinfectant Cleaner

EPA REG. NO. 1839-83-2296

EPA EST. NO. 2296-PA-1

- DEODORIZER • •VIRUCIDE • TUBERCULOCIDAL •
- FUNGICIDE (against pathogenic fungi) •
- MILDEWSTAT (on hard inanimate surfaces) • Kills Pandemic 2009 H1N1 Influenza A Virus (formerly called swine flu) •

KEEP OUT OF REACH OF CHILDREN
CAUTION

See side panels for additional precautionary statements and first aid.

NET CONTENTS: 1 Quart / .946 Liters



World Class Cleaning Solutions®

National Chemical Laboratories, Inc.

401 N. 10th Street • Philadelphia, PA 19123 USA • (215) 922-1200 • (800) 628-2436

KILLS HIV-1, HBV, AND HCV ON PRE-CLEANED ENVIRONMENTAL SURFACES/ OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS in health care settings (Hospitals, Nursing Homes) 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 1 (HIV-1) (associated with AIDS), Hepatitis B Virus (HBV) and Hepatitis C Virus (HCV). **SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1, HBV and HCV ON SURFACES/ OBJECTS SOILED WITH BLOOD/BODY FLUIDS.**

PERSONAL PROTECTION: When handling items soiled with blood or body fluids use disposable latex gloves, gowns, masks, and eye coverings. **CLEANING PROCEDURES:** Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of this product. **CONTACT TIME:** Allow surface to remain wet for HBV and HCV **5 minutes**, for HIV-1 **1 minute**. These contact times will not control other common types of viruses and bacteria. **DISPOSAL OF INFECTIOUS MATERIALS:** Blood and other body fluids must be autoclaved and disposed of according to local regulations for infectious waste disposal.

FUNGICIDAL ACTIVITY - This product is fungicidal against the pathogenic fungus, Trichophyton mentagrophytes (Athlete's Foot Fungus) (a cause of ringworm of the foot), when used with a 10 minute contact time on clean, non-porous, hard surfaces as found in bathrooms, shower stalls, locker rooms, or other areas commonly contacted by bare feet. **EFFICACY TESTS HAVE DEMONSTRATED THAT THIS PRODUCT IS AN EFFECTIVE BACTERICIDE, FUNGICIDE, AND VIRUCIDE IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM).**

MILDEWSTAT - To control mold and mildew on pre-cleaned, hard, non-porous surfaces spray surface to be treated making sure to wet completely. Let air dry. Repeat application at weekly intervals or when mildew growth appears.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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.

FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. **IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. **IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person. **IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.

PESTICIDE STORAGE - Store in a dry place no lower in temperature than 50° F or higher than 120° F.

PESTICIDE DISPOSAL - Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL - Nonrefillable container. Do not reuse or refill container. Clean container promptly after emptying. Triple rinse as follows: Fill container 1/4 full with water and recap. Agitate vigorously. Follow Pesticide disposal instructions for rinsate disposal. Drain for 10 seconds after the flow begins to drip. Repeat procedure two more times. Offer for recycling or reconditioning, if available. If not available, puncture and dispose in a sanitary landfill.

★★★★ MADE IN USA ★★★★★

LQ-0001-0252-02



7 52610 90252 5