

# Re-Juv-Nal® HBV



A concentrated, hospital-grade, quaternary, disinfectant/detergent, sanitizer, virucide, deodorizer that cleans and controls the hazard of cross-contamination from environmental surfaces. Re-Juv-Nal HBV is also effective against Hepatitis B! It is approved for use on floors, walls, sinks, toilets, tables, chairs, telephones, counters, cabinets, baths, showers, and other hard surfaces where broad spectrum control is important. Re-Juv-Nal HBV is EPA registered for application with a mechanical sprayer. Active Ingredients: Alkyl (60% C14, 30% C16, 5% C12, 5% C18) dimethyl benzyl ammonium chloride 2.37%, Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride 2.37%. Inert Ingredients: 95.26%.

## Features & Benefits

- Perfect for any facility where cross-contamination is a concern.
- Pleasant, light floral fragrance.
- EPA registered disinfectant.

## Efficacy

**DISINFECTION PERFORMANCE:** At 2 ounces of this product to one gallon of water use level, this product is bactericidal on hard inanimate surfaces modified in the presence of 5% organic serum with a 10 minute contact time against:

- Isolates From AIDS Patients; Cryptococcus neoformans
- Staphylococcus aureus
- Pseudomonas aeruginosa
- Streptococcus pneumoniae
- Gram Positive Clinical Isolates; Micrococcus luteus
- Staphylococcus epidermidis
- Streptococcus haemolyticus
- Staphylococcus aureus (Toxic shock)
- Staphylococcus saprophyticus
- Streptococcus pyogenes
- Antibiotic Resistant Gram Positive Bacteria; Staphylococcus aureus (Methicillin Resistant-MRSA)
- Community Associated Methicillin Resistant CA-MRSA PVL Positive
- CA-MRSA Genotype- USA 400 Vancomycin Resistant Intermediate-VISA
- Vancomycin Resistant-VRSA Enterococcus faecalis (Vancomycin Resistant-VRE)
- Gram Negative Clinical Isolates; Acinetobacter calcoaceticus var. anitratus Hafnia alvei
- Brevundimonas diminuta
- Acinetobacter calcoaceticus var. lwoffii
- Klebsiella oxytoca
- Pseudomonas fluorescens
- Bordetella bronchiseptica
- Klebsiella pneumoniae
- Sphingomonas paucimobilis
- Enterobacter agglomerans
- Morganella morganii
- Pseudomonas pseudomallei
- Enterobacter cloacae
- Proteus mirabilis
- Pseudomonas putida
- Enterobacter gergoviae
- Proteus vulgaris
- Pseudomonas stutzeri
- Enterobacter liquefaciens
- Pseudomonas aeruginosa
- Serratia marcescens
- Escherichia coli (Urinary)
- Burkholderia cepacia
- Escherichia coli (Wound)
- Flavobacterium meningosepticum

### Other Bacteria:

- Escherichia coli strain (O157:H7)
- Salmonella typhi
- Pseudomonas aeruginosa
- Streptococcus pyogenes
- Salmonella enterica
- Campylobacter jejuni
- Streptococcus pneumoniae (PRSP)
- Listeria monocytogenes
- Yersinia enterocolitica
- Enterobacter aerogenes

**Virucidal performance:** At 2 ounces per gallon use level, this product was evaluated in the presence of 5% serum with a 10 minute contact time unless otherwise noted below and found to be effective against the following viruses on hard non-porous environmental surfaces:

- \*Cytomegalovirus
- \*Influenza A/Brazil Virus
- \*Poliovirus Type 1 (Chat strain) 30 minutes contact time
- \*HCV (Hepatitis C Virus)
- \*HBV (Hepatitis B Virus)
- \*Influenza B Virus (Allen strain)
- \*Herpes Simplex Type 1 Virus
- \*Influenza C Virus (Taylor strain)
- \*Adenovirus type 2
- \*Herpes Simplex Type 2 Virus
- \*Measles Virus
- \*Influenza A2-Asian Virus
- \*Human Coronavirus
- \*HIV-1 (AIDS Virus)
- \*Parainfluenza type 1
- \*Vaccinia Virus
- \*Rotavirus
- \*Norovirus

**VIRUCIDAL\*:** When used on inanimate, hard, non-porous, environmental surfaces at 2 ounces per gallon of water for a 10 minute contact time (5% organic soil), except for Poliovirus type 1 (Chat strain): which requires a 30 minute contact time (5% organic soil) and HIV-1 which requires only a 30 second contact time. **\*KILLS HCV, HIV-1 AND HBV ON PRE-CLEANED 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 HCV (Hepatitis C Virus), HIV-1(AIDS virus) or HBV (Hepatitis B Virus).

## Safety

See material safety data sheet and product label for safety information, handling and proper use.

HMIS	Concentrate
Health	2
Flammability	0
Reactivity	0

## Technical Specifications

Color	Clear
Scent	Lemon
Appearance	Clear
pH (concentrate)	11.50 - 12.50
Non-Volatile Matter	12.00 - 14.00
Dilution Rate	1:64

## Availability

Item	Pack
HIL0009606	4 - 1 Gallon Containers

## Registrations

EPA Reg. No. 61178-1-1658



P.O. Box 909  
St. Joseph, MO 64502  
1-800-365-1555  
www.hillyard.com

This is an EPA registered disinfectant. Please refer to the actual container label for complete directions.

To be used in hospitals in the following areas as a disinfectant: 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, doctor's offices & labs, dentists offices & labs, (dental operatories).

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 preclean or decontaminate critical or semi-critical medical devices prior to sterilization or high level disinfection.

**This product is for use in** schools, salons, health clubs, spas, sick rooms, rest rooms, shower rooms, police stations, gyms, convenience stores, cruise lines, hotels and motels, airplanes and institutions. This product may be used on washable, hard, non-porous, surfaces: such as washable walls, restroom fixtures, toilet bowls, tables, chairs, telephones, cabinets, bathtubs, and urinals.

**DISINFECTION: PREPARATION OF USE SOLUTION:** For water hardness up to 300 ppm add 2 ounces per gallon of water to disinfect hard, non-porous surfaces. Remove gross filth or heavy soil. For heavily soiled areas, a pre-cleaning step is required. Apply solution with a cloth, mop, sponge, hand pump trigger sprayer or other mechanical sprayer devices. Treated surfaces must remain wet for 10 minutes. Let air dry. Prepare a fresh solution for each use. This product is effective in hard water up to 300 ppm hardness.

**DISINFECTION/\*VIRUCIDAL DIRECTIONS:** Apply use solution to hard inanimate, non-porous surfaces thoroughly wetting surfaces with a cloth, mop, sponge or sprayer. For heavily soiled areas, a preliminary cleaning is required. For sprayer applications use a coarse spray device. Spray 6-8 inches from surface and rub with brush, sponge or cloth. Do not breathe spray. Add 2 ounces per gallon of water to disinfect hard, non-porous surfaces. Treated surfaces must remain wet for 10 minutes. Prepare a fresh solution at least daily or when use dilution becomes diluted or soiled.

**DISINFECT TOILET BOWLS: NON-ACID TOILET BOWL AND URINAL DISINFECTION CLEANER DIRECTIONS:** Remove gross filth prior to disinfection. From Concentrate: Add 2 ounces to the toilet bowl and mix. Brush thoroughly over exposed surfaces and under the rim with a cloth, mop or sponge. Repeat and allow to stand for 10 minutes and flush.

**SANITIZATION - NON-FOOD CONTACT SURFACES** Remove all gross filth or heavy soil prior to applying sanitizing solution. To sanitize walls, floors and other hard non-porous surfaces in such areas as schools, institutions, and industries, use a mop, cloth or immerse item in a solution containing 2 ounces per gallon so as to wet all surfaces thoroughly for 1 minute. Drain or air dry. Prepare a fresh solution daily or when solution gets visibly dirty.

**GENERAL DEODORIZATION:** To deodorize, add 2 ounces of this product per gallon of water. Excess material must be wiped up or allowed to air dry.

**SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HCV, HIV-1 AND HBV OF SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS: PERSONAL PROTECTION:** Specific barrier protection items to be used when handling items soiled with blood or body fluids are disposable latex gloves, gowns, masks and eye coverings.

**CLEANING PROCEDURE:** Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of this product.

**DISPOSAL OF INFECTIOUS MATERIALS:** Blood and other body fluids, cleaning materials and clothing must be autoclaved and disposed of in according to federal, state and local regulations for infectious waste disposal.

**CONTACT TIME:** Leave surfaces wet for 30 seconds for HIV-1 and 10 minutes for HCV and HBV. The contact time for the viruses, fungi and bacteria listed on this label is 10 minutes, except for Polio Virus Type 1 (Chat strain) which is 30 minutes.