

HILLYARD RE-JUV-NAL® HBV

*The Concentrated Disinfectant/Detergent That's A
Deodorizer, Virucide,* And It Controls Hepatitis B*

Cleans, Disinfects, And Deodorizes In One Step

Re-Juv-Nal® HBV is 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. It is perfect for operating rooms, patient care rooms, recovery, extended care facilities, schools, and any facility where cross-contamination is a concern.

Approved For Spraying

Re-Juv-Nal HBV is EPA registered for application with a mechanical sprayer. That means Re-Juv-Nal HBV can be applied with a trigger sprayer or shoulder sprayer to save time and labor. Plus, its pleasant, light floral fragrance makes it ideal for patient care areas. It leaves your facilities smelling clean and fresh with no heavy masking odors. Available in one and five gallon containers.

Broad Spectrum Anti-Microbial

Re-Juv-Nal HBV has been tested and found effective against gram-positive (Staph and Strep) and gram-negative (Pseudomonas and Salmonella) bacteria, clinical isolates of antibiotic resistant (MRSA) bacteria, and blood-borne pathogens (Hepatitis B Virus and HIV-1).

Effective In Presence Of Organic Soil

Re-Juv-Nal HBV is a proven one-step disinfectant/cleaner that's formulated to be effective in the presence of organic soil (5% blood serum) contamination. That means you can use Re-Juv-Nal HBV in real-world cleaning situations and get the efficacy you expect. If you are looking for a disinfectant that delivers effective cleaning power and unsurpassed control, ask your Hillyard consultant about Re-Juv-Nal HBV. Just another example of high quality from Hillyard.

**Virucidal when used on inanimate, hard, non-porous environmental surfaces at 2 ounces per gal. of water for a 10 minute contact time (5% organic soil), except for Poliovirus type 1 (Chat strain): which requires 30 minute contact time (5% organic soil) and HIV-1 which requires only a 30 second contact time.*



HILLYARD
CLEAN
ASSIST®



LABEL INFORMATION #96

RE-JUV-NAL® HBV

**BROAD SPECTRUM DISINFECTANT
HOSPITAL DISINFECTANT – CLEANS AS IT DISINFECTS
GERMICIDAL CLEANER – DISINFECTANT – DETERGENT –
DEODORIZER – VIRUCIDE***

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%

TOTAL 100.00%

EPA REG. NO. 61178-1-1658

EPA EST. NO. 8155-OH-1

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

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, doctors 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.

In addition, this product may be used as a disinfectant in schools, salons, health clubs, spas, sick rooms, rest rooms, shower rooms, police stations, gyms, convenience stores, cruise lines, hotels/motels, airplanes and industries. This product can be used to disinfect the following inanimate, hard, non-porous non-food environmental surfaces: walls, floors, sink tops, toilet bowls, tables, chairs, telephones, chair arms, cabinets, bathtubs, and urinals. **DISINFECTION:** Add two ounces of concentrate per gallon of water. Remove gross filth or heavy soil. For heavily soiled areas, a pre-cleaning step is required. Apply solution with a cloth, mop, sponge, or hand pump trigger sprayer such that all surfaces 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 (calculated as CaCO₃) and in the presence of organic soil (5% blood serum). **DISINFECT TOILET BOWLS:** Flush toilet and add 2 ounces of concentrate 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.

This product is effective against the following microorganisms: Contact time is 10 minutes unless noted below.

Isolates From AIDS patients

Aspergillus niger
Candida albicans
Cryptococcus neoformans
Pseudomonas aeruginosa
Staphylococcus aureus
Streptococcus pneumoniae

Gram Positive Clinical Isolates

Micrococcus luteus
Staphylococcus aureus (Toxic shock)
Staphylococcus epidermidis
Staphylococcus saprophyticus
Streptococcus haemolyticus
Streptococcus pyogenes

Antibiotic Resistant Gram Positive Rods

Staphylococcus aureus (Methicillin Resistant) **MRSA, Vancomycin Resistant Intermediate-VISA**

Enterococcus faecalis (Vancomycin Resistant) VRE

Gram Negative Clinical Isolates

Acinetobacter calcoaceticus var. anitratus
Acinetobacter calcoaceticus var. lwoffii
Bordetella bronchiseptica
Enterobacter agglomerans
Enterobacter cloacae
Enterobacter gergoviae
Enterobacter liquefaciens
Escherichia coli (Urinary)
Escherichia coli (Wound)
Flavobacterium meningosepticum
Hafnia alvei
Klebsiella oxytoca
Klebsiella pneumoniae
Morganella morganii
Proteus mirabilis
Proteus vulgaris
Pseudomonas aeruginosa

Burkholderia cepacia
Brevundimonas dimunita
Pseudomonas fluorescens
Sphingomonas paucimobilis
Pseudomonas pseudomallei
Pseudomonas putida
Pseudomonas stutzeri
Serratia marcescens

Human Viruses

Cytomegalovirus
HBV (Hepatitis B Virus)
Herpes Simplex type 1 Virus
Herpes Simplex type 2 Virus
HIV-1 (AIDS Virus)
Influenza A/Brazil Virus
Influenza B Virus (Allen strain)
Influenza C Virus (Taylor strain)
Measles Virus
Parainfluenza type 1
Poliovirus Type 1 (Chat strain)
30 minute contact time

Adenovirus type 2
Influenza A2-Asian Virus
Vaccinia Virus
HCV (Hepatitis C Virus)
Human Coronavirus

Other Bacteria Escherichia coli strain (0157:H7)

Pseudomonas aeruginosa
Salmonella choleraesuis
Listeria monocytogenes
Salmonella typhi
Streptococcus pyogenes
Campylobacter jejuni
Yersinia enterocolitica
Streptococcus pneumoniae (PRS)
Enterobacter aerogenes

RE-JUV-NAL® HBV

#96

HEPATITIS B CONCENTRATED HOSPITAL DISINFECTANT

TECHNICAL DATA

PHYSICAL PROPERTIES:

1. Volatile content by volume	Greater than 85%	9. Rinsing	Complete
2. Odor	Floral	10. Disinfectant	EPA registered disinfectant
3. Appearance	Clear liquid	11. Nonvolatile matter	12-14%
4. Germicide type	Quaternary (two)	12. Sediment	None
5. Flash point	None	13. Freeze-Thaw stability	Stable after agitation
6. Hard Water stability	Stable	14. Synthetic detergent	Present
7. pH	11.5-12.5		
8. Wetting ability	Excellent		

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SANITIZATION - NON FOOD CONTACT SURFACES

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

CLEANING AND DEODORIZATION: Deodorizes garbage storage areas, empty garbage bins and cans, toilet bowls and any other odor causing areas. Mix 2 oz. per gallon of water and apply solution to surfaces. Be sure to thoroughly wet surfaces, allow to air dry.

Virucidal*: When used on inanimate, hard, non-porous environmental surfaces at 2 ounces per gal. of water for a 10 minute contact time (5% organic soil), except for Poliovirus type 1 (Chat strain): which requires 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 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 HCV (Hepatitis C Virus), (HIV-1) (AIDS virus) or HBV (Hepatitis B virus). **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 or eye coverings. **CLEANING PROCEDURE:** Blood and other body fluids should be thoroughly cleaned from surfaces and objects before application of the disinfectant. **DISPOSAL OF INFECTIOUS MATERIALS:** Blood and other body fluids should be autoclaved and disposed of according to federal, state and local regulations for infectious waste material. **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.

PRECAUTIONARY STATEMENTS. HAZARDS TO HUMANS AND DOMESTIC ANIMALS.

KEEP OUT OF REACH OF CHILDREN DANGER

Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin, or on clothing. Harmful if swallowed. Wear protective eyewear (goggles, face shield or safety glasses). Wear protective clothing and rubber gloves. Avoid contamination of food. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

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 first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. **IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. 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 to an unconscious person. 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. **Storage:** Do not store on side - Avoid creasing or impacting of side walls. Store securely in closed original container. Avoid storage at temperature extremes or in sunlight. Avoid shipping or storing below freezing. If product freezes, thaw at room temperature and shake gently to remix components. Use locked storage in an area that will prevent cross contamination of other pesticides, fertilizer, food and feed. Store in locked area inaccessible to children. **Container Disposal:** Do not reuse empty container. Replace cap and discard container in trash. Securely wrap original container in several layers of newspaper and discard in trash.

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