

## ECLIPSE AURORA HB®

**Cleaner, Disinfectant, Detergent, Fungicide (against Pathogenic fungi) Deodorizer, Mildewstat (on hard inanimate surfaces), Virucide**

When diluted at the rate of 2 ounces per gallon water this product exhibits effective disinfectant activity against the organisms: *Pseudomonas aeruginosa* PRD 10, *Escherichia coli*, *Klebsiella pneumoniae*, *Salmonella schottmuelleri*, *Salmonella choleraesuis*, *Streptococcus salivarius*, *Brevibacterium ammoniagenes*, *Streptococcus faecalis*, *Shigella dysenteriae*, *Enterobacter aerogenes*, *Staphylococcus aureus*, Methicillin resistant *Staphylococcus aureus* (MRSA), and Vancomycin intermediate resistant *Staphylococcus aureus* (VISA), and meets all requirements for hospital use.

### FEATURES

- Effective against HBV, HIV-1
- Efficacy tests have demonstrated that this product is an effective Bactericide, Fungicide, and Virucide in the presence of organic soil (5% blood serum).
- Labor savings with superb cleaning power



### RECOMMENDED SURFACES

All washable surfaces including floors, walls, counters, and mirrors

### PRODUCT DATA

Description:	Cleaner/Disinfectant/Deodorant
Appearance:	Clear purple liquid
Fragrance:	Fresh, clean
Viscosity (Brookfield):	<25 centipoise @ 68°F (20°C)
% Actives:	4.5% undiluted
pH:	11.5 ± 0.5, ASTM E70-97
Density:	8.7 lb per gal @ 68°F 1.04 kg per liter @ 20°C
Flash Point:	None
Freeze/Thaw:	Passes 3 cycles, ASTM D3209-93 (1998)
Shelf Life:	2 years, ASTM D1791-93 (1998)

### PRECAUTIONS

Keep out of reach of children. Keep container sealed when not in use. Avoid freezing. If frozen, allow to return to room temperature slowly and mix thoroughly before using.

### ORDERING INFORMATION

Product #605MP: 4 x 1.06 gallon per case (4 x 4 liter)

**NOTE:** AVAILABLE IN US ONLY

### DIRECTIONS FOR USE: GENERAL DISINFECTING

Eclipse Aurora HB is a phosphate free formulation designed to provide effective cleaning, deodorization, and disinfection specifically for hospitals, nursing homes, schools, food processing plants, food service establishments, retail businesses and athletic/recreational facilities where housekeeping is of prime importance in controlling the hazard of cross contamination.

### DISINFECT PRE-CLEANED, INANIMATE, HARD, NON POROUS SURFACES:

1. Mix Eclipse Aurora HB per the following dilution:  
1:64 2 US oz per gallon water (80 ml per 5 liters water)
2. Apply solution with a mop, sponge or hand pump trigger sprayer so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes then remove excess liquid.

### DISINFECT HEAVILY SOILED AREAS:

1. Remove filth and heavy soil with preliminary cleaning prior to application of Eclipse Aurora HB.
2. Prepare a fresh solution for each use and follow steps 1-2 above.

### DISINFECT TOILET BOWLS:

Flush toilet and add 2 US oz (80 ml) Eclipse Aurora HB 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 10 minutes and flush.

KILLS HIV-1 AND HBV ON PRECLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS in health care settings or other settings where 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 HIV-1 (AIDS virus) or HBV (Hepatitis B Virus).

*Pioneer Eclipse®*

**ECLIPSE AURORA HB**

**LAST REVISION DATE:** 08/25/03

**MANUFACTURER:** Pioneer Eclipse® Corp.

Sparta, NC 28675 Phone: 1-336-372-8080

**FOR CHEMICAL EMERGENCY:** Spill, Leak, Fire, Exposure or Accident **CALL CHEMTREC - Day or Night 1-800-424-9300** Toll Free in the

Continental US **483-7616** in DISTRICT OF COLUMBIA. For calls originating outside the US: Call Collect **1-202-483-7616** Washington, DC.

**SECTION I: GENERAL INFORMATION**

**PRODUCT NAME:** Eclipse Aurora HB

**PRODUCT #:** 605

**EPA REG NO.:** 1839-95-41567

**PRODUCT TYPE:** Germicidal cleaner

**PRECAUTIONS:** Corrosive. Possible skin and eye irritant. Keep container sealed when not in use. Keep out of reach of children.

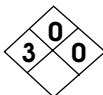
**FLAMMABILITY:** 0

**REACTIVITY:** 0

**HEALTH:** 3

**NFPA HAZARD RATINGS**

4-EXTREME 3-HIGH 2-MODERATE  
1-SLIGHT 0-INSIGNIFICANT

**SECTION II: HAZARDOUS INGREDIENTS****INGREDIENT:**

n-Alkyl dimethyl benzyl ammonium chloride

**CAS#:** 68391-01-5

**%:** 2.25

**OSHA PEL:** N/E

**ACGIH TLV:** N/E

**LD 50 SPECIES & ROUTE:** 500 mg/kg rat, oral

n-Alkyl dimethyl ethylbenzyl ammonium chloride

**CAS#:** 68956-79-6

**%:** 2.25

**OSHA PEL:** N/E

**ACGIH TLV:** N/E

**LD 50 SPECIES & ROUTE:** 500 mg/kg rat, oral

N/E = Not Established, N/L = Not Listed

N/A = Not Applicable

**SECTION III: PHYSICAL/CHEMICAL DATA**

**APPEARANCE:** Clear purple liquid

**pH:** 11.5 ± 0.5

**BOILING POINT:** 100°C / 212°F

**EVAPORATION RATE:** 0.4 (butyl acetate = 1)

**FREEZING POINT:** 0°C / 32°F

**VAPOR DENSITY:** Less than air

**VOLATILE BY WEIGHT:** 85-87%

**VAPOR PRESSURE:** Less than water

**DENSITY:** 8.7 lb per gal @ 68°F

1.04 kg per liter @ 20°C

**SOLUBILITY IN WATER:** Miscible

**SECTION IV: FIRE AND EXPLOSION DATA**

**FLASH POINT:** None. Non-flammable

**EXPLOSIVE LIMITS:**

LOWER: N/A UPPER: N/A

**EXTINGUISHING MEDIA:** None

**SPECIAL FIRE FIGHTING PROCEDURES:** None

**HAZARDOUS COMBUSTIBLE PRODUCTS:** None

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None

**SECTION V: REACTIVITY DATA**

**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** Will not occur.

**INCOMPATIBILITY (MATERIALS TO AVOID):**

None known.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

None known.

**REACTIVITY CONDITIONS:** None

**SECTION VI: HEALTH HAZARD DATA**

**EYES:** Causes irreversible eye and skin burns. 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.

**SKIN:** Take off contaminated clothing. Rinse skin with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**INHALATION:** 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.

**INGESTION:** 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. Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

**SECTION VII: SPILL, LEAK & DISPOSAL PROCEDURES**

**STORAGE AND DISPOSAL:** Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Keep product under locked storage, inaccessible to children. Open dumping is prohibited. Do not reuse empty container.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or incineration or, if allowed by state and local authorities, burn. If burned, stay out of smoke.

**PESTICIDE DISPOSAL:** Pesticide waste 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.

**SECTION VIII: SPECIAL PROTECTION**

**EYE PROTECTION:** Chemical splash goggles (ANSI Z87.1-1989 or approved equivalent)

**RESPIRATORY PROTECTION:** None required when permissible airborne concentrations are not exceeded. In emergency, use approved positive pressure self-contained breathing device.

**VENTILATION:** Normal ventilation is adequate; no special ventilation is required.

**OTHER PROTECTIVE EQUIPMENT:** Chemical resistant gloves are recommended when handling material.

**SECTION IX: SPECIAL PRECAUTIONS**

**HANDLING AND STORAGE:** Storage temperature (MAX. 60°C / 140°F) (MIN. 1°C / 34°F)

**OTHER PRECAUTIONS:** Keep from freezing.

**SECTION X: ADDITIONAL INFORMATION**

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This MSDS has been provided to you in accordance with the OSHA HAZARD COMMUNICATION STANDARD (29CFR1910.1200).

\*\*\*IMPORTANT SAFETY INFORMATION

DO NOT DISCARD\*\*\*

\*\*PLEASE ROUTE TO COMPANY SAFETY OFFICER\*\*

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