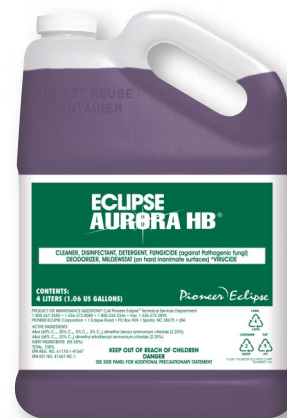


ECLIPSE AURORA HB®

Cleaner, Disinfectant, Detergent, Fungicide (against Pathogenic fungi) Deodorizer. Mildewstat (on hard non-porous 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: 02/27/06

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.

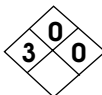
FLAMMABILITY: 0

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

LD₅₀ SPECIES & ROUTE: 50-500 mg/kg rat, oral

n-Alkyl dimethyl ethylbenzyl ammonium chloride

CAS#: 68956-79-6

%: 2.25

OSHA PEL: N/E

ACGIH TLV: N/E

LD₅₀ SPECIES & ROUTE: 50-500 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

Neither this data sheet nor any statement contained herein grants or extends any license, expressed or implied, in connection with patents issued or pending which may be the property of the manufacturer or others. The information in this data sheet has been assembled by the manufacturer based on its own studies and the work of others. The manufacturer makes no warranties, expressed or implied, as to the accuracy, completeness or adequacy of the information contained herein; the manufacturer shall not be liable (regardless of fault) or the vendee, the vendee's employees or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of such information.

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

Pioneer Eclipse®