

## 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).

# MATERIAL SAFETY DATA SHEET

## 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\*\*

Pioneer Eclipse®

LTPD605MP-08/03