

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 and HIV-1 (AIDS Virus)**
- **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 E70-77
Density:	8.67 lb per gal @ 68°F 1.040 kg per liter @ 20°C
Flash Point:	None
Freeze/Thaw:	Avoid freezing. If frozen, allow to return to room temperature slowly. Mix thoroughly before using.
Shelf Life:	2 years, ASTM D1791-93 (1998)

PRECAUTIONS

Keep out of reach of children. Keep container sealed when not in use. Keep from freezing.

ORDERING INFORMATION

Product #605D: 4 x 1.06 gallon per case (4 x 4 liters)

NOTE: 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).

ECLIPSE AURORA HB GERMICIDAL DETERGENT & DEODORANT

REVISION DATE: 12/6/07

MANUFACTURER: Amano 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®
Germicidal Detergent & Deodorant
PRODUCT #: 605D
PRODUCT TYPE: Germicidal cleaner
PRECAUTIONS: Corrosive. Possible skin and eye
irritant. Keep container sealed when not in use.
Keep out of reach of children.

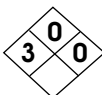
FLAMMABILITY: 0

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: Greater than air

VOLATILE BY WEIGHT: 85-87%

VAPOR PRESSURE: N/E

DENSITY: 8.67 lb per gal at 68°F

1.040 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 wastes 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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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

