

NEUTRAQUAT® GERMICIDAL DETERGENT & DEODORANT

A multi-purpose, neutral pH, germicidal detergent and deodorant effective in hard water up to 400 ppm (calculated as CaCO₃) in the presence of a moderate amount of soil (5% organic serum) according to the AOAC Use-dilution Test. Disinfects, cleans, and deodorizes in one labor-saving step.

FEATURES

- Economical (2 oz per gallon of water)
- Effective against the following pathogens: Hepatitis B Virus (HBV), Hepatitis C Virus (HCV), HIV-1 (AIDS Virus), Herpes Simplex Type 1, Herpes Simplex Type 2, Influenza A/Hong Kong, Rubella (German Measles), Human coronavirus, Escherichia coli¹, Listeria monocytogenes, Staphylococcus aureus-Methicillin resistant- (MRSA), Staphylococcus aureus-Vancomycin Intermediate Resistant (VISA), Enterococcus faecalis-Vancomycin Resistant (VRE), Aspergillus niger, Candida albicans, Trichophyton mentagrophytes, ¹ATCC & antibiotic-resistant strain
- Dual quat formula for broad spectrum germicidal action
- Safe for use on all washable surfaces
- Powerful cleaning action



RECOMMENDED SURFACES

All washable surfaces

PRODUCT DATA

Description:	Cleaner/Disinfectant
Appearance:	Clear orange liquid
Fragrance:	Lemon
Viscosity (Brookfield):	<25 centipoise @ 68°F (20°C)
pH (undiluted):	7.7 ± 0.5 ASTM E70
pH @ 1:64:	7.7 ± 0.5 ASTM E70
Density:	8.35 lb per gal @ 68°F 1.002 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. Keep from freezing.

ORDERING INFORMATION

Product #601D: 4 x 1.06 gallon per case (4 x 4 liters)

NOTE: AVAILABLE IN US ONLY

DIRECTIONS FOR USE: GENERAL DISINFECTING

1. Remove heavy soil deposits from surface.
2. Thoroughly wet surface with NeutraQuat Germicidal Cleaner per the following dilution ratio:
1:64 2 US oz per gallon water (80 ml per 5 liters water)
Apply diluted solution with a cloth, mop, sponge, or coarse spray. Allow surface to remain wet for a minimum of 10 minutes.
3. Rinse or allow to air dry. Rinsing of floor is not necessary unless they are to be waxed or polished.

DIRECTIONS FOR USE: MILDEWSTATIC

1. Apply NeutraQuat Germicidal Cleaner per the following dilution ratio:
1:64 2 US oz per gallon water (80 ml per 5 liters water)
Apply with cloth, mop, sponge, or coarse spray, making sure to wet all surfaces completely. Let air dry.
2. Repeat application weekly or when growth reappears.

DIRECTIONS FOR USE: HIV-1 AND HBV

Personal Protection: Disposable latex or vinyl gloves, gowns, face masks or eye coverings, as appropriate, must be worn during all cleaning of blood/body fluids during decontamination procedures.

Cleaning Procedures: Blood/body fluids must be thoroughly cleaned from surfaces/objects before application of disinfectant.

Contact Time: HIV-1 (AIDS virus) is inactivated after a contact time of 4 minutes at 25° C (room temperature). HBV is inactivated after a contact time of 10 minutes. Use a 10 minute contact time for other viruses, fungi, and bacteria listed.

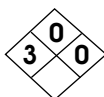
Disposal of Infectious Materials: Blood/body fluids should be autoclaved and disposed of according to federal, state, and local regulations for infectious waste disposal.

NEUTRAQUAT GERMICIDAL DETERGENT AND DEODORANT

LAST 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: NeutraQuat® Germicidal
 Detergent & Deodorant
PRODUCT #: 601D
EPA REG NO.: 47371-131-41567
PRODUCT TYPE: Cleaner & Disinfectant
PRECAUTIONS: Corrosive to skin and eyes.
 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: Didecyl dimethyl ammonium chloride
CAS#: 7173-51-5
 %: 2.54
OSHA PEL: N/E
ACGIH TLV: N/E
LD₅₀ SPECIES & ROUTE: 84 mg/kg rat, oral

INGREDIENT: n-Alkyl dimethyl benzyl
 ammonium chloride
CAS#: 68424-85-1
 %: 1.69
OSHA PEL: N/E
ACGIH TLV: N/E
LD₅₀ SPECIES & ROUTE: 426 mg/kg rat, oral

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

SECTION III: PHYSICAL/CHEMICAL DATA

APPEARANCE: Clear orange liquid
pH: 7.7 ± 0.5
BOILING POINT: 100°C / 212°F
EVAPORATION RATE: Less than water
FREEZING POINT: 0°C / 32°F
VAPOR DENSITY: Less than air
VOLATILE BY WEIGHT: 93-95%
VAPOR PRESSURE: N/E
DENSITY: 8.35 lb per gal @ 68°F
 1.002 kg per liter @ 20°C
SOLUBILITY IN WATER: Miscible

SECTION IV: FIRE AND EXPLOSION DATA

FLASH POINT: Non-combustible
EXPLOSIVE LIMITS:
 LOWER: N/A UPPER: N/A
EXTINGUISHING MEDIA: Water spray, CO₂, dry
 chemical, alcohol or universal type foam
SPECIAL FIRE FIGHTING PROCEDURES: None
HAZARDOUS COMBUSTIBLE PRODUCTS: None
UNUSUAL FIRE AND EXPLOSION HAZARDS:
 Materials can splatter above 100°C / 212°F.

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

HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION: Corrosive. Causes severe irreversible
 damage. Do not get in eyes or on clothing. Avoid
 contact with the skin. Harmful if inhaled. Avoid
 breathing spray mist. Wash thoroughly with soap
 and water after handling. Remove contaminated
 clothing and wash clothing before reuse.
STATEMENT OF PRACTICAL TREATMENT
IF IN EYES: 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.
IF ON SKIN: Take off contaminated clothing.
 Rinse skin immediately with plenty of water for
 15-20 minutes.
IF INHALED: Move the person to fresh air.
 If person is not breathing, call 911 or an
 ambulance, then give artificial respiration,
 preferably mouth to mouth, if possible. Call a
 poison control center or doctor for treatment
 advice. Have the product container or label with
 you when you calling a poison control center or
 doctor or going for treatment.
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: 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.
CONTAINER DISPOSAL: Triple rinse (or
 equivalent), then offer for recycling or

reconditioning, or puncture and dispose of in a
 sanitary landfill, or incinerate, or if allowed by
 state and local authorities, burn. If burned, stay
 out of the smoke.

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: Mechanical local exhaust
 ventilation at point of contamination release
OTHER PROTECTIVE EQUIPMENT: As required
 by employer code. Chemically resistant gloves
 are recommended.

SECTION IX: SPECIAL PRECAUTIONS

HANDLING AND STORAGE: Storage temperature
 (MAX. 60°C / 140°F) (MIN. 1°C / 34°F)
OTHER PRECAUTIONS: Avoid freezing. If frozen,
 allow to return to room temperature slowly. Mix
 thoroughly before using.

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

