

## NEUTRAQUAT™ GERMICIDAL DETERGENT & DEODORANT

A multi-purpose, neutral pH, germicidal detergent and deodorant effective in hard water up to 400 ppm (calculated as CaCO<sub>3</sub>) 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 coli<sup>1</sup>, Listeria monocytogenes, Staphylococcus aureus-Methicillin resistant- (MRSA), Staphylococcus aureus-Vancomycin Intermediate Resistant (VISA), Enterococcus faecalis-Vancomycin Resistant (VRE), Aspergillus niger, Candida albicans, Trichophyton mentagrophytes, <sup>1</sup>ATCC & 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: 03/22/06

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: NeutraQuat Germicidal Detergent &amp; Deodorant

PRODUCT #: 601D

EPA REG NO.: 47371-131-41567

PRODUCT TYPE: Cleaner &amp; Disinfectant

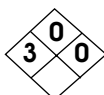
PRECAUTIONS: Corrosive to skin and eyes. Keep container sealed when not in use. Keep out of reach of children.

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

LD<sub>50</sub> 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

LD<sub>50</sub> 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, CO<sub>2</sub>, 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 &amp; 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\*\*

Pioneer Eclipse®

LTPD601D-03/06