

NEUTRAQUAT® 128 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 (1 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

Recommended for use in hospitals, nursing homes, schools, colleges, commercial and industrial institutions, office buildings, airports, hotels, and motels. Disinfects, cleans, and deodorizes the following hard, nonporous, inanimate surfaces: floors, walls, (non-medical) metal surfaces, (non-medical) stainless steel surfaces, glazed porcelain, plastic surfaces (such as polypropylene, polystyrene, etc.)

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 E70-97 |
| pH @ 1:64: | 7.7 ± 0.5 ASTM E70-97 |
| Density: | 8.4 lb per gal @ 68°F 1.00 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 #612MP: 4 x 1.06 gallon per case (4 x 4 liter)

DIRECTIONS FOR USE:

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

This product is not for use on medical device surfaces.

BACTERICIDAL STABILITY OF USE-DILUTION:

Tests confirm that this product, when diluted in 400 ppm hard water (via use of automatic dispensing devices), remains effective against *Pseudomonas aeruginosa*, *Staphylococcus aureus* and *Salmonella choleraesuis* for up to one month when stored in a sealed container such as a spray bottle. If product becomes visibly dirty or contaminated, the use-dilution must be discarded and fresh product prepared. Always use clean, properly labeled containers when diluting this product. Bactericidal stability of the use-dilution does not apply to open containers such as buckets or pails.

DISINFECTION / CLEANING / DEODORIZING DIRECTIONS: Remove heavy soil deposits from surface, then thoroughly wet surface with a use-solution of 1 ounce of the concentrate per gallon of water. The use-solution can be applied with a cloth, mop, sponge, or coarse spray or soaking. For sprayer applications, use a coarse spray device. Spray 6-8 inches from the surface, rub with a brush, cloth or sponge. Do not breathe spray. Let solution remain on surface for a minimum of 10 minutes. Rinse or allow to air dry. Rinsing of floors is not necessary unless they are to be waxed or polished.

Food contact surfaces must be thoroughly rinsed with potable water. This product must not be used to clean the following food contact surfaces: utensils, glassware and dishes.

TOILET BOWLS: Swab bowl with brush to remove heavy soil prior to cleaning or disinfecting. Clean by applying use-solution around the bowl and up under the rim. Stubborn stains may require brushing. To disinfect, first pre-clean to remove heavy soil, then remove or expel over the inner trap the residual bowl water. Pour in three ounces of the use-solution. Swab the bowl completely using a scrub brush or mop, making sure to get under rim. Let stand for 10 minutes or overnight, then flush.

FUNGICIDAL DIRECTIONS: For use in areas such as locker rooms, dressing rooms, shower and bath areas and exercise facilities follow disinfection directions.

MILDEWSTATIC INSTRUCTIONS: Will effectively control the growth of mold and mildew, plus the odors caused by them when applied to hard, nonporous surfaces such as walls, floors and table tops. Apply use-solution of 1 ounce per gallon of water with a cloth, mop, sponge or coarse spray. Make sure to wet all surfaces completely. Let air dry. Repeat application weekly or when growth reappears.

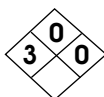
NEUTRAQUAT 128 GERMICIDAL DETERGENT AND DEODORANT

LAST REVISION DATE: 12/5/07
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® 128 Germicidal Detergent & Deodorant
PRODUCT #: 612
EPA REG NO.: 47371-130-41567
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
%: 5.07
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
%: 3.38
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: Greater than air
VOLATILE BY WEIGHT: 87-89%
VAPOR PRESSURE: Less than water
DENSITY: 8.4 lb per gal @ 68°F
 1.00 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

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER: Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed. Do not get in eyes, on skin, or on clothing. Wear protective eyewear (goggles, face shield, or safety glasses), protective clothing and protective gloves (rubber or chemical resistant). Harmful if inhaled. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

FIRST AID

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 OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 minutes.

IF SWALLOWED: 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.

IF INHALED: 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 treatment advice. Have the product container or label with you when calling a poison control center or doctor or going for treatment.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

SECTION VII: SPILL, LEAK & DISPOSAL PROCEDURES

STORAGE AND DISPOSAL: Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE
 Store in original container in areas 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 smoke.

SECTION VIII: SPECIAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT (PPE)
EYE: Wear protective eyewear (goggles, face shield, or safety glasses).
SKIN: Wear protective clothing and protective gloves (rubber or chemical resistant)
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

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

