



## Material Safety Data Sheet

Prepared in Accordance with 29 CFR 1910.1200

**IMPORTANT NOTE:** This MSDS Contains MINIMAL information, for the more detailed standard 16 section MSDS, please go to [www.betco.com](http://www.betco.com) or contact the fax back system at (800) 891-4965

Prepared by CRushton on 5/6/2003.

### Section 1 - Product and Company Identification

Product Name	325 pH7Q Ultra	Chemical Family	Not available.	NPCA Hazardous Material Identification System
Generic Description	Neutral pH Disinfectant/Detergent/Deodorant	Formula	Not applicable.	Health
Supplier	Betco Corporation 1001 Brown Avenue Toledo, Ohio 43607	Phone:	(419) 241-2156	Flammability
		Emergency phone:	Chemtec (800) 424-9300	Physical Hazard
				0

### Section 2 - Ingredients:

Ingredient Name	CAS #	% by Weight	TLV/PEL	Carcinogenic Effects
1) Water	7732-18-5	0-100	Not available.	Not available.
2) Quaternary Ammonium Chloride	7173-51-5	0-5	Not available.	Not available.
3) Tetrasodium salt of ethylenediaminetetraacetic acid	64-02-8	0-5	Not available.	Not available.
4) Nonionic Surfactant	61788-90-7	0-5	Not available.	Not available.
5) Nonionic Surfactant	9016-45-9	0-5	Not available.	Not available.
6) Nonionic Surfactant	66455-15-0	0-5	Not available.	Not available.
7) Perfume Oil	N/A	0-5	Not available.	Not available.
8) Dye	N/A	0-5	Not available.	Not available.

### Section 3 - Physical and Chemical Properties

Boiling point	214°F Initial	Specific Gravity	1 (Water = 1)
Vapor Pressure	20mm Hg @ 68°F	Vapor density:	>1 (Air = 1)
Volatility	85	pH	7 to 8 (Basic.)
Solubility	Easily soluble in cold water.	Evaporation Rate	<1
Physical State and Appearance	Odor		

Color: Yellow. Odor: Pleasant.

### Section 5 - Reactivity Data

Stability	The product is stable.
Incompatibility	None known.
Hazardous Decomposition Products	Not available.
Hazardous Polymerization	Will not occur.

### Section 4 - Fire/Explosion Hazards

Flash points (closed cup)	CLOSED CUP: >98.889°C (210°F).	Explosion Limits
Extinguishing media	N/A	Not available.
Fire-Fighting Measures	Wear full protective clothing Use extinguishing media indicated.	
Explosion Hazards	Not applicable	

### Section 6 - Storage

Precautions to be taken in handling and storage  
 Avoid breathing vapors or spray mists.  
 Keep out of the reach of children. Not for use or storage in or around the home.

### Section 7 - Health Hazards/ FIRST AID

Chronic Effects:	Over-exposure by inhalation may cause respiratory irritation. Prolonged exposure may result in skin burns and ulcerations.
ROUTES OF ENTRY	
Skin	Skin irritant. Prolonged or repeated contact can cause dermatitis.
Eyes	Eye irritant. Liquid and mist may damage the eyes causing corneal injury.
Inhalation	N/A
Ingestion	May be irritating to the mouth, throat, and gastrointestinal system. Vomiting and diarrhea expected with large doses.
Medical Conditions aggravated by Exposure	Repeated or prolonged exposure is not known to aggravate medical condition.

#### FIRST AID MEASURES

Rinse skin with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for further treatment advice.

Hold eye open and rinse slowly and thoroughly with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor immediately for treatment advice.

Move 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 further treatment advice.

Call a poison control center immediately for treatment advice. Have person sip a glass of water if able to swallow. Do NOT induce vomiting unless instructed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.  
 NOTE TO PHYSICIAN: Products may contain ingredients that may cause allergic reactions in susceptible individuals. In case of allergic reaction, physician should advise physician of all possible allergic reactions to all drugs, medical products, and chemicals used, including but not limited to: latex, eggs, and shellfish. Measures against circulatory shock, respiratory depression and convulsion may be required.

### Section 8 - Personal Protection

Protective Clothing		Ventilation
Eye/Face Protection	Safety glasses.	Good general ventilation should be sufficient to control airborne levels.
Hand/Arm Protection	Gloves (impervious).	
Respiratory Protection	Not applicable.	
Other Special Considerations	Not applicable.	

### Section 9 - Large Spill and Leak

Methods for cleaning up Spill	Methods of disposal
Absorb with an inert material and put the spilled material in an appropriate waste disposal.	Waste must be disposed of in accordance with federal, state and local environmental control regulations.

#### SARA 313

SARA 313 toxic chemical notification and release reporting: No products were found.

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

# pH7Q ULTRA

Concentrate 1:256

**One-Step Disinfectant • Germicidal • Detergent • Deodorant**

A multi-purpose, germicidal detergent and deodorant effective in hard water up to 400 ppm (calculated as CaCO<sub>3</sub>) plus 5% organic serum. Disinfects, cleans and deodorizes in one labor-saving step. Recommended for use in hospitals, nursing homes, schools/colleges, commercial and industrial institutions. Neutral pH formula is perfect for damp mopping highly polished floors and will never dull, haze or leave a film. Pleasant lemon fragrance.

## USES

- Floors
- Glazed porcelain
- Plastic surfaces
- Stainless steel (non-medical)
- Toilets and urinals
- Walls

## BENEFITS

- Economical ultra concentrate – ½ oz. per gallon (1:256) provides low end-use cost.
- Broad spectrum disinfectant – Efficacious against Staphylococcus aureus, Pseudomonas aeruginosa, Salmonella choleraesuis and antibiotic resistant strains including VRE (Vancomycin Resistant Enterococcus Faecalis) and MRSA (Methicillin Resistant Staphylococcus Aureus).
- Virucidal against HIV-1 (Aids virus), Herpes Simplex 1 and 2 and Influenza A/Hong Kong, HBV (Hepatitis B Virus).
- Neutral pH – Won't dull, haze or attack finish. Leaves no film.

## PROPERTIES

Color .....	Light Amber
Detergency .....	Excellent
Fragrance .....	Pleasant Lemon
Freeze/thaw .....	3 cycles
pH concentrate .....	7.2 - 8.2
Recommended Dilution .....	½ oz. per gallon (1:256)
Shelf Life .....	One (1) year
<b>ACTIVE INGREDIENTS:</b>	
Didecyl dimethyl ammonium chloride .....	10.14%
n-Alkyl (50% C <sub>14</sub> , 40% C <sub>12</sub> , 10% C <sub>10</sub> ) dimethyl benzyl ammonium chloride .....	6.76%
<b>INERT INGREDIENTS</b> .....	83.10%
<b>TOTAL</b> .....	100.00%

## SAFETY

Keep out of reach of children. For institutional and commercial use. **DANGER: CORROSIVE.** Causes irreversible eye damage and skin burns. Harmful if swallowed. Do not get in eyes, on skin, or on clothing. When handling product, protect eyes by wearing goggles or face shield and protect skin by wearing rubber gloves. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash 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.

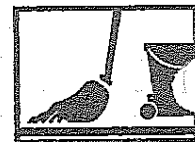
Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor or going for treatment.

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

## AVAILABLE IN

- Case/4 - 1 Gallon: #32504-00
- Case/2 - 4 L Boxes: #32537-00 (Green Earth® II Chemical Management System)
- Case/4 - 2 L Bottles: #32547-00 (FASDRAW™ Chemical Management System)

Authorized **Betco** Distributor:



## 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.

**DISINFECTION/CLEANING/DEODORIZING DIRECTIONS:** Remove heavy soil deposits from surface. Then thoroughly wet surface with a solution of ½ ounce of the concentrate per gallon of water. The use-solution can be applied with a cloth, mop, sponge, coarse spray or soaking. 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. Prepare a fresh solution daily or more often if the solution becomes visibly dirty or diluted. **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 ½ oz. 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. **"KILLS HIV-1 (AIDS VIRUS) AND HBV (HEPATITIS B VIRUS) ON PRECLEANED, ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care settings or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood/body fluids and in which the surfaces/objects likely to be soiled with blood/body fluids can be associated with the potential for transmission of the Human Immunodeficiency Virus Type 1 (HIV-1) (associated with AIDS) or Hepatitis B Virus (HBV). **SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1 (AIDS VIRUS) OF SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS:** 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 and decontamination procedures. Blood/body fluids must be thoroughly cleaned from surfaces/objects before application of disinfectant. HIV-1 (AIDS VIRUS) is inactivated after a contact time of 4 minutes at 25°C (room temperature). 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 state and local regulations for infectious waste disposal. **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 solution (½ 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. **Bactericidal Activity of Use-Dilution:** Tests confirm that this product, when diluted in 400 ppm hardwater (via use of automated dispensing devices), remains effective against Pseudomonas aeruginosa, Staphylococcus aureus, and Salmonella Choleraesuis for up to 3 months 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 activity of the use-dilution does not apply to open containers such as buckets or pails.

## AUTHORIZATION

Registered with the Environmental Protection Agency.

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