



MATERIAL SAFETY DATA SHEET

MSDS#: FH/C/2006/TWTG-6N3T3C
 Supersedes: 12/06/06

Issue Date: 1/15/09

SECTION I - CHEMICAL PRODUCT			
Identity: Food Contact Surface Sanitizer			
Brands: CLEAN QUICK Broad Range Quaternary Sanitizer			
Hazard Rating: 3	Health: 3		4=EXTREME
	Flammability: 1		3=HIGH
	Reactivity: 0		2=MODERATE
			1=SLIGHT
			0=NOT SIGNIFICANT
P&G Telephone Number: 1-800-332-7787 or call local Poison Control Center or your physician.			
Emergency (24 hour) Telephone Number: CHEMTREC 1-800-424-9300			

SECTION II - COMPOSITION AND INGREDIENTS			
Ingredients listed on the product label are: Octyl decyl dimethyl ammonium chloride, Dioctyl dimethyl ammonium chloride, Didecyl dimethyl ammonium chloride, Alkyl (C ₁₄ 50%; C ₁₂ 40%; C ₁₆ 10%) dimethyl benzyl ammonium chloride			
Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200 (exception: water).			
Chemical Name	CAS No.	Composition Range (%)	TWA/TLV/LD50
Ethanol	64-17-5	1-4	1000 ppm (OSHA-PEL) 1000 ppm (ACGIH-TWA) LD50 7.06g/kg (oral, rat)

SECTION III - HAZARDS IDENTIFICATION	
Potential Health Hazards (Acute and Chronic):	
Ingestion:	<u>Concentrate</u> - Immediate burning pain in the mouth, throat, abdomen and severe swelling of the larynx, skeletal muscle paralysis affecting the ability to breathe, circulatory shock, convulsions. May be fatal. <u>Diluted for Use per Label Directions</u> - Mucous membrane irritant. Oral ingestion may result in mild gastrointestinal irritation with nausea, vomiting and/or diarrhea.
Eye Contact:	<u>Concentrate</u> - Direct contact can produce severe eye damage. Corrosive. <u>Diluted for Use per Label Directions</u> - May cause mild irritation.
Skin Contact:	<u>Concentrate</u> - Direct or prolonged contact can produce severe irritation. Corrosive. <u>Diluted for Use per Label Directions</u> - May cause mild skin irritation.
Inhalation:	<u>Concentrate</u> - Solvent vapors or mist of product can produce irritation of mucous membranes. Exposure to ethyl alcohol concentrations of over 1,000 ppm may cause headache, irritation of the eyes, nose and throat, and, if prolonged, drowsiness and lassitude, loss of appetite and inability to concentrate. <u>Diluted for Use per Label Directions</u> - Mucous membrane irritant.

SECTION IV - FIRST AID INFORMATION	
First Aid Procedures (Concentrate):	
Ingestion:	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.
Eye Contact:	If in eyes, immediately rinse by holding eye open and rinsing slowly and gently with water for 15-20 minutes. Remove contact lenses if present, after the first 5 minutes, then continue rinsing.
Skin Contact:	If on skin or clothing, take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.
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 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.	
Other: Product package has a precautionary statement: KEEP OUT OF REACH OF CHILDREN. DANGER. CORROSIVE. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin, or on clothing. Harmful if swallowed, inhaled or absorbed through the skin. Wear protective eyewear (goggles, face shield or safety glasses), protective clothing and protective (rubber, chemical resistant) gloves when handling. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.	

SECTION V - FIRE FIGHTING INFORMATION			
Flash Point (Method Used): >200°F (93°C)	Explosive Limits:	<i>LEL:</i> N/A	<i>UEL:</i> N/A
Extinguishing Media: CO ₂ , water, alcohol foam or dry chemical			
Protection for Firefighters:			
Specific Hazards Arising from the Material:	Products of combustion are toxic.		
Protective Equipment and Precautions for Firefighters:	Must wear NIOSH/MSHA approved self-contained breathing apparatus and protective clothing. Cool fire-exposed containers with water spray.		

SECTION VI - ACCIDENTAL RELEASE MEASURES
Personal Precautions: N/A
Environmental Precautions:
Waste Disposal Methods: Dispose of in compliance with all Federal, state/provincial and local laws and regulations. Incineration is the preferred method.
Container Disposal: Do not reuse empty container. Discard in trash or recycle.
Methods for Containment and Cleanup in Case Large Quantities of Concentrated Material Are Released or Spilled: DANGER. Corrosive material. Wear appropriate protective gear and respiratory protection where mists or vapors of unknown concentrations may be generated (self-contained breathing apparatus preferred).
Dike and contain spill with inert material (sand, earth, etc.) and transfer the liquid and solid separately to containers for recovery or disposal. Keep spill out of sewers and open bodies of water.

SECTION VII - HANDLING AND STORAGE

Precautions To Be Taken in Handling and Storing: Maximum storage temperature: 140°F (60°C). Keep containers closed until used. Do not contaminate drinking water, food or feed by storage or disposal.

Other Precautions: N/A

SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls (Ventilation): In processes where mists or vapors may be generated, proper ventilation must be provided in accordance with good ventilation practices.

Personal Protective Equipment (PPE):

Eye/Face Protection: Wear chemical splash goggles where there is a potential for eye contact. Use safety Glasses with side shields under normal use conditions.

Skin Protection: Wear rubber or neoprene protective gloves to prevent skin contact.

Respiratory Protection: In processes where mists or vapors may be generated by the concentrated product, a NIOSH/MSHA jointly approved respirator is advised in the absence of proper environmental controls.

Other Protective Equipment: Provide suitable facilities for immediate flushing of the eyes and drenching of the body in case of contact; protective clothing (long sleeves, coveralls or other, as appropriate) to prevent skin contact.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance (color, physical form, shape): Pale pink liquid	Flash Point (Method Used): >200°F (93°C)
Odor: slightly sweet	Reserve Alkalinity: N/A
Odor Threshold: N/A	Solubility in Water: Completely
Physical State: liquid	Decomposition Temperature: N/A
Vapor Pressure (mm Hg): N/A	Evaporation Rate (nBuOAc=1): N/A
Vapor Density (Air=1): N/A	Specific Gravity/Density: 0.90-1.0
Boiling Point: N/A	Melting/Freezing Point: N/A
Partition Coefficient (n-octanol/water): N/A	pH (100% solution): 6-8

SECTION X - STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: None known

Materials to Avoid: Strong oxidizing or reducing agents

Hazardous Decomposition Products: Thermal decomposition may produce toxic vapors/fumes of hydrogen chloride, amines and other organic materials, and oxides of carbon and nitrogen.

Possible Hazardous Reactions/Conditions/By Products: None known

Hazardous Polymerization: Will not occur

Other Recommendations: None

SECTION XI - TOXICOLOGICAL INFORMATION

LD50 (rat): approx. 2000 mg/kg

SECTION XII - ECOLOGICAL INFORMATION

N/A

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method: Disposal should be in accordance with Federal, state/provincial and local regulations. Incineration is the preferred method.

Dike and contain spill with inert material (sand, earth, etc.) and transfer the liquid and solid separately to containers for recovery or disposal. Keep spill out of sewers and open bodies of water.

SECTION XIV - TRANSPORT INFORMATION

DOT Classification: This material is regulated by the US Department of Transportation.

For finished packaged product transported by ground: **ORM-D Consumer Commodity.**

For finished packaged product transported by sea: **Disinfectants, liquid, corrosive, n.o.s., (quaternary ammonium compounds) 8, UN1903, PG III, Ltd Qty.**

For finished packaged product transported by air: **DO NOT SHIP. Finished product packaging does not meet air transport requirements.**

SECTION XV - ADDITIONAL REGULATORY INFORMATION**FEDERAL REGULATIONS:**

This is an EPA FIFRA registered pesticide (EPA Registration No. 6836-278-3573 / CDPR 6836-278-AA-3573).

All intentionally-added components of this product are listed on the US TSCA Inventory.

This product is not subject to warning labeling under California Proposition 65.

Procter & Gamble's importation of this product into Canada is in compliance with all CEPA NSN Regulations. This product has been classified with the Hazard Criteria of the Canadian Control Products Regulation (CPR) and this MSDS contains all information required by the Controlled Products Regulation.

SECTION XVI - OTHER INFORMATION

*N/A. - Not Applicable

*N/K. - Not Known

The submission of this MSDS may be required by law, but this is not an assertion that the substance is hazardous when used in accordance with proper safety practices and normal handling procedures. Data supplied is for use only in connection with occupational safety and health.

The information contained herein has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company's knowledge. The information relates to the specific material designated herein, and does not relate to the use in combination with any other material or any other process. Procter & Gamble assumes no responsibility for injury to the recipient or third persons, for any damage to any property resulting from misuse of the controlled product.



MATERIAL SAFETY DATA SHEET

MSDS#: FH/C/2006/TWTG-6N3T3C
Supersedes: 04/09

Issue Date: 09/09

SECTION I - CHEMICAL PRODUCT			
Identity: Food Contact Surface Sanitizer			
Brands: CLEAN QUICK Broad Range Quaternary Sanitizer			
(DILUTED for use per label directions)			
Hazard Rating: 1	Health: 1	4=EXTREME	
	Flammability: 1	3=HIGH	
	Reactivity: 0	2=MODERATE	
		1=SLIGHT	
		0=NOT SIGNIFICANT	
P&G Telephone Number: 1-800-332-7787 or call local Poison Control Center or your physician.			
Emergency (24 hour) Telephone Number: CHEMTREC 1-800-424-9300			

SECTION II – COMPOSITION AND INGREDIENTS			
Ingredients listed on the product label are: Octyl decyl dimethyl ammonium chloride, Dioctyl dimethyl ammonium chloride, Didecyl dimethyl ammonium chloride, Alkyl (C ₁₄ 50%; C ₁₂ 40%; C ₁₆ 10%) dimethyl benzyl ammonium chloride			
Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200 (exception: water).			
Chemical Name	CAS No.	Composition Range (%)	TWA/TLV/LD50
Octyl decyl dimethyl ammonium chloride	32426-11-2	<0.1	Based on ammonium chloride fume: 10 mg/m ³ (ACGIH-TWA)
Dioctyl dimethyl ammonium chloride	5538-94-3	<0.1	
Didecyl dimethyl ammonium chloride	7173-51-5	<0.1	
Alkyl (C ₁₄ 50%; C ₁₂ 40%; C ₁₆ 10%) dimethyl benzyl ammonium chloride	68424-85-1	<0.1	

SECTION III - HAZARDS IDENTIFICATION	
Potential Health Hazards (Acute and Chronic):	
Ingestion:	Mucous membrane irritant. Oral ingestion may result in mild gastrointestinal irritation with nausea, vomiting and/or diarrhea.
Eye Contact:	May cause mild irritation.
Skin Contact:	May cause mild skin irritation.
Inhalation:	Mucous membrane irritant.

SECTION IV - FIRST AID INFORMATION**First Aid Procedures:**

Ingestion: Dilute with fluids and treat symptomatically. For large ingestions, call a physician.

Eye Contact: If in eyes, immediately rinse by holding eye open and rinsing slowly and gently with water for 15-20 minutes. Remove contact lenses if present, after the first 5 minutes, then continue rinsing.

Skin Contact: Rinse skin with water for 15-20 minutes, if irritation occurs.

Inhalation: Move person to fresh air if irritation occurs.

Other: Product package has a precautionary statement: **KEEP OUT OF REACH OF CHILDREN. HAZARDS TO HUMANS AND DOMESTIC ANIMALS. CAUTION.** Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

SECTION V - FIRE FIGHTING INFORMATION

Flash Point (Method Used): >200°F (93°C) **Explosive Limits:** *LEL:* N/A *UEL:* N/A

Extinguishing Media: CO₂, water, alcohol foam or dry chemical

Protection for Firefighters:

Specific Hazards Arising from the Material: Products of combustion are toxic.

Protective Equipment and Precautions for Firefighters: Must wear NIOSH/MSHA approved self-contained breathing apparatus and protective clothing. Cool fire-exposed containers with water spray.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: N/A

Environmental Precautions:

Waste Disposal Methods: Dispose of in compliance with all Federal, state/provincial and local laws and regulations. Incineration is the preferred method.

Container Disposal: Discard in trash or recycle. Reuse refillable bottle per label instructions.

Methods for Containment: Dike and contain spill with inert material (sand, earth, etc.) and transfer the liquid and solid separately to containers for recovery or disposal. Keep spill out of sewers and open bodies of water.

SECTION VII - HANDLING AND STORAGE

Precautions To Be Taken in Handling and Storing: Maximum storage temperature: 140°F (60°C). Store in original container in areas inaccessible to children. Keep containers closed until used. Do not store on side. Avoid creasing or impacting of side walls. Do not contaminate drinking water, food or feed by storage or disposal.

Other Precautions: N/A

SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls (Ventilation): Good general ventilation should be sufficient to control airborne levels.

Personal Protective Equipment (PPE):

Eye/Face Protection: No protective equipment is needed under normal use conditions.

Skin Protection: No protective equipment is needed under normal use conditions.

Respiratory Protection: A respirator is not needed under normal and intended conditions of product use.

Other Protective Equipment: None required with normal use.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance (color, physical form, shape): Pale pink liquid	Flash Point (Method Used): >200°F (93°C)
Odor: slightly sweet	Reserve Alkalinity: N/A
Odor Threshold: N/A	Solubility in Water: Completely
Physical State: liquid	Decomposition Temperature: N/A
Vapor Pressure (mm Hg): N/A	Evaporation Rate (nBuOAc=1): N/A
Vapor Density (Air=1): N/A	Specific Gravity/Density: 0.90-1.0
Boiling Point: N/A	Melting/Freezing Point: N/A
Partition Coefficient (n-octanol/water): N/A	pH (100% solution): 6-8

SECTION X - STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: None known

Materials to Avoid: Strong oxidizing or reducing agents

Hazardous Decomposition Products: Thermal decomposition may produce toxic vapors/fumes of hydrogen chloride, amines and other organic materials, and oxides of carbon and nitrogen.

Possible Hazardous Reactions/Conditions/By Products: None known

Hazardous Polymerization: Will not occur

Other Recommendations: None

SECTION XI - TOXICOLOGICAL INFORMATION

LD50 (rat): approx. 2000 mg/kg

SECTION XII - ECOLOGICAL INFORMATION

Based on ecotoxicity and fate data for the individual ingredients in this specific formulation, and for related consumer household cleaning products formulations, this product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment at relevant environmental concentrations. This product is intended for dispersive use and should not be disposed of directly into the environment.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method: Disposal should be in accordance with Federal, state/provincial and local regulations. Incineration is the preferred method. Empty container may be discarded in trash or recycled. Reuse refillable bottle per label instructions.

This product is not a RCRA hazardous waste when disposed.

Dike and contain spill with inert material (sand, earth, etc.) and transfer the liquid and solid separately to containers for recovery or disposal. Keep spill out of sewers and open bodies of water.

SECTION XIV - TRANSPORT INFORMATION

Transport Classification: This material is shipped by P&G in its concentrated form.

For finished packaged product transported by ground: **Not applicable for diluted solution.**

For finished packaged product transported by sea: **Not applicable for diluted solution.**

For finished packaged product transported by air: **Not applicable for diluted solution.**

SECTION XV - ADDITIONAL REGULATORY INFORMATION**FEDERAL REGULATIONS:**

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