



# MATERIAL SAFETY DATA SHEET

MSDS#: FH/C/2000/TWTJ-4RHKMZ

Issue Date: 10/06  
Supersedes: 8/05

## SECTION I - CHEMICAL PRODUCT

Identity: **Food Contact Surface Sanitizer**

Brands: **CLEAN QUICK Liquid Quaternary Sanitizer**

Hazard Rating: 3	Health: 3	4=EXTREME
	Flammability: 1	3=HIGH
	Reactivity: 0	2=MODERATE
		1=SLIGHT
		0=NOT SIGNIFICANT

Emergency Telephone Number: CHEMTREC (24 hr operator) 1-800-424-9300 U.S. and Canada  
1-703-527-3887 for calls originating elsewhere

U.S. Emergency or Customer Service: 1-800-332-7787 (P&G operator)  
or call Local Poison Control Center

## SECTION II - COMPOSITION AND INGREDIENTS

Ingredients/Chemical Name: (Actives) Mixture of N-Alkyl (C<sub>12-18</sub>)-N,N-dimethyl -N-benzylammonium chloride and N-Alkyl (C<sub>12-14</sub>)-N,N-dimethyl-N-ethylbenzylammonium chloride

### Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200.

<u>Chemical Name</u>	<u>CAS No.</u>	<u>TWA/TLV</u>	<u>Composition Range (%)</u>
N-Alkyl (C <sub>12-18</sub> )-N,N-dimethyl -N-benzylammonium chloride	68391-01-5	None established	7.0
N-Dodecyl-N,N-dimethyl-N-ethyl benzylammonium chloride	27479-28-3	None established	4.7
N-Tetradecyl-N,N-dimethyl-N-ethyl benzylammonium chloride	27479-29-4	None established	2.3
Ethanol	64-17-5	ACGIH TLV: 1000 mg/m <sup>3</sup>	1.0 - 4.0
Water	7732-18-5		Balance

**SECTION III - HAZARDS IDENTIFICATION**

**Health Hazards (Acute and Chronic):**

- Eye: Concentrate causes possible irreversible eye damage.  
Use dilution may cause mild irritation.
- Skin: Concentrate causes severe skin irritation and/or chemical burns.  
Use dilution may cause mild skin irritation.
- Ingestion: Concentrate can produce immediate burning pain in the mouth, throat and abdomen; severe swelling of the larynx; skeletal muscle paralysis affecting the ability to breathe; circulatory shock; and/or convulsions.  
Use dilution is a mucous membrane irritant. Oral ingestion may result in mild gastrointestinal irritation with nausea, vomiting and/or diarrhea.
- Inhalation: Mucous membrane irritant.

**SECTION IV - FIRST AID INFORMATION**

**Emergency and First Aid Procedures:**

- Eye contact: 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.
- Skin contact: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.
- Oral ingestion: 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. Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment.
- Inhalation: Get fresh air. If not breathing, clear airway and start artificial respiration. If person is having trouble breathing, give supplemental oxygen, if available. Get immediate medical attention.

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

**Other:** Product package has precautionary statements: **KEEP OUT OF REACH OF CHILDREN.**

**DANGER:** Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin or on clothing. Wear protective eyewear (goggles or face shield), protective clothing and protective gloves (rubber or chemical resistant) when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before use.

**SECTION V - FIRE FIGHTING INFORMATION**

**Flash Point (Method Used):** >200°F/93.3°C (Setaflash)    **Explosive Limits:**    *LEL:* N/A    *UEL:* N/A

**Extinguishing Media:** CO<sub>2</sub>, water or dry chemical

**Special Fire Fighting Procedures:** Use water spray to keep fire exposed container cool.

**Unusual Fire Hazards:** Products of combustion are toxic. Product will produce a brief flash but will not support combustion when in contact with open flame above the indicated flash point.

SECTION VI - ACCIDENTAL RELEASE MEASURES
<p><b>Personal Precautions:</b> Rubber or neoprene gloves to prevent skin contact. Wear chemical splash goggles where there is a potential for eye contact. Use safety glasses with side shields where there is no potential for eye contact.</p> <p><b>Environmental Precautions:</b> DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. Small quantities may be slowly flushed down sewer with excess water or dispose as liquid scrap.</p> <p><b>Steps To Be Taken in Case Large Quantities of Material Are Released or Spilled:</b> Warning: Corrosive liquid (as concentrate). Wear appropriate protective equipment and respiratory protection where mist or vapors of unknown concentrations may be generated (self-contained breathing apparatus preferred for large spills). Contain spill with inert material and transfer the liquid and solid separately to containers for recovery or disposal. Keep spill out of sewers and open bodies of water.</p>

SECTION VII - HANDLING AND STORAGE
<p><b>Precautions To Be Taken in Handling and Storing:</b> Store at temperatures below 140°F. Keep containers closed until used. Do not contaminate drinking water, food, or feed by storage or disposal. Keep under storage sufficient to make it inaccessible to children or persons unfamiliar with the use.</p> <p><b>Other Precautions:</b> Triple rinse empty original container before disposal. Offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Do not reuse empty container.</p>

SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION
<p><b>Respiratory Protection (Specify Type):</b> None required with normal use.</p> <p><b>Ventilation</b>      <i>Local Exhaust:</i> Not necessary.</p> <p><b>Eye Protection:</b> Goggles or face shield required when handling concentrate. None required at use dilution</p> <p><b>Protective Gloves:</b> Rubber gloves are required when handling concentrate. None required at use dilution.</p> <p><b>Other Protective Equipment:</b> Use goggles and gloves when handling concentrated product. None required with normal use. Easily accessible water source is needed.</p>

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES	
<b>Boiling Point °F:</b> 212°F/100°C	<b>Specific Gravity (H<sub>2</sub>O=1):</b> 0.99
<b>Vapor Pressure (mm Hg):</b> N/A	<b>Percent Volatile by Volume (%):</b> ca. 86
<b>Vapor Density (Air=1):</b> <1	<b>Evaporation Rate (nBuOAc=1):</b> N/K
<b>Odor Threshold:</b> N/A	<b>Freezing Point:</b> N/A
<b>Coefficient of Water/Oil Distribution:</b> N/A	<b>pH (10% solution):</b> 6.5-7.5
<b>Scooped Density:</b> N/A	<b>Solubility in Water:</b> Completely
<b>Appearance and Odor:</b> Red liquid, slight odor	<b>Reserve Alkalinity:</b> N/A

**SECTION X - STABILITY AND REACTIVITY**

**Possible Hazardous Reactions/Conditions/By Products:** None known

**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.

**Other Recommendations:** None

**Stability:** Stable

**Hazardous Polymerization:** Will not occur

**SECTION XI - TOXICOLOGICAL INFORMATION**

LD50 (rats oral): > 5,000 mg/kg

**SECTION XII - ECOLOGICAL INFORMATION**

N/A

**SECTION XIII - DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. Incineration is the preferred method.

**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**

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.

EPA Reg. No. 47371-104-3573

**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.

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