

# NATIVE GREEN<sup>®</sup>

## Food Services and Environmental Health Solutions

### Food Services Quat Sanitizer

A liquid quat sanitizer designed to sanitize previously cleaned surfaces and equipment. Highly concentrated. Perfect for use as a 3rd sink sanitizer. Official test methods show it to be an effective bactericide, fungicide and virucide. Contains 7.5% dual quaternary compound.

#### Directions:

##### TO SANITIZE NON-FOOD CONTACT SURFACES:

Add 2 ounces of this per 5 3/4 gallons of water (0.34 ounce of this product per gallon of water) (200 ppm) (or equivalent dilution) to sanitize hard, nonporous surfaces. Treated surfaces must remain wet for 1 minute. Wipe dry with a sponge, mop or cloth or allow to air dry. Prepare fresh solution daily or more often if solution becomes visibly diluted, cloudy or soiled.

##### TO SANITIZE LAUNDRY (AGAINST ODOR CAUSING BACTERIA):

Use 4 ounces per 100 pounds of dry weight fabric. Dilute the appropriate amount of this product in one to two gallons of water then add to the washwheel in the final rinse. Re-treat fabric after each washing. For residual bacteriostatic activity against odor causing bacteria, conditions of high relative humidity or wet contamination are required. Laundered fabric may also be treated by soaking.

##### TO SANITIZE FOOD PROCESSING EQUIPMENT, UTENSILS, AND OTHER FOOD CONTACT ARTICLES REGULATED BY 40 CFR § 180.940(a):

Scrape, flush, or presoak articles and thoroughly wash articles with an appropriate detergent or cleaner. Rinse articles thoroughly with potable water. Sanitize articles by immersing articles with a use-solution of 2 ounces of this product per 2 7/8 - 7 3/4 gallon of water (0.25 - 0.68 ounce of this product per gallon of water) (150 - 400 ppm) (or equivalent dilution) for at least 60 seconds. Articles too large for immersing should be thoroughly wetted by rinsing, spraying, or swabbing. Remove immersed items from solution to drain and then air dry. Non immersed items should be allowed to air dry. Do not rinse.

#### Areas of Utilization

- Restaurants • Food Processing • Bars • Dairies • Laundries

#### Native Green Environmentally Preferable Food Services Cleaners

Solid Machine Dish Detergent  
Dishwasher Liquid Rinse Additive  
Dish Machine Delimer  
Solid Flatware Pre-Soak  
Solid Manual Dishwashing Soap  
Food Service Sanitizer



# Material Safety Data Sheet

## Manufacturer:

NATIVE GREEN LLC  
2110 EAST WALTON BLVD  
AUBURN HILLS, MI 48326  
PHONE: (706) 636-1848

24 Hour Chemical Emergency for: Spill - Leak - Fire - Accident - Exposure  
CHEMTREC: (800) 424-9300 / Int'l: (703) 527-3887 (collect calls accepted)

Reference information – Product ID Code: 4382 / Company Code: A814

Product Name: **FOOD SERVICES QUAT SANITIZER**

ID Code: **4382**

Prepared By: W. Drost, Jr.

Date: January 1, 2008

CHEMICAL FAMILY: Quat Sanitizer

FORMULA: Proprietary

HAZARDOUS INGREDIENTS (CAS #):	%	Exposure Limits, ppm	
		ACGIH TLV	OSHA-PEL
N, N-Dialky (C <sub>8-10</sub> )-N, N-dimethylammonium Chloride (CAS#68424-95-3)	4.5	N/A	N/A
N-Alkyl (C <sub>12-16</sub> )- N, N-dimethyl ammonium chloride (CAS# 68424-85-1)	3.0	N/A	N/A
Ethanol (CAS# 64-17-5)	0.9-1.5	1000ppm	1000ppm

SARA TITLE III, SECTION 313 REPORTABLE INGREDIENTS: None.

Carcinogenic Ingredients: Contains no known or suspected carcinogens.

## PHYSICAL PROPERTIES:

Boiling Point: 215°F. % Volatile: 92.  
Solubility in Water: Complete. Vapor Pressure: 15mm@70°F.  
Specific Gravity - Liquid (H<sub>2</sub>O = 1): 1.0. Vapor Density (Air = 1): N/A.  
Appearance and Odor: Blue liquid with a slightly sweet odor.

## FIRE AND EXPLOSION DATA:

Flash Point: None.  
Flammability Limits: N/A.  
Extinguishing Media: Water, CO<sub>2</sub>, foam, dry chemical.  
Special Fire fighting Procedures: None.  
Unusual Hazards: None.

## HEALTH EFFECTS:

Threshold Limit Value: **Not determined for this product.**

Primary routes of entry: Eye and skin contact.

### Effects of overexposure:

Skin Contact: May produce skin burns.  
Ingestion: If swallowed, call a physician. Do not induce vomiting unless instructed by a physician. See note in First Aid.  
Eye Contact: May produce burning and irritation.  
Inhalation: Inhalation of mist or vapor may produce respiratory tract irritation.

### Chronic effects of overexposure:

None known or expected.

### Medical conditions that may be aggravated by exposure:

None known or expected.

## EMERGENCY AND FIRST AID PROCEDURES:

**Eye Contact:** Flush thoroughly with plenty of water for 15 minutes. Get medical attention.

**Skin Contact:** Flush thoroughly from skin with water. Apply a moisturizing cream. If irritation occurs or persists, see a physician.

**Ingestion:** Drink plenty of water and call a physician immediately. DO NOT INDUCE VOMITING UNLESS INSTRUCTED BY A PHYSICIAN.

**Inhalation:** Remove victim to fresh air. If breathing does not return to normal after a few minutes, get medical attention.

## REACTIVITY DATA:

Stability: Stable

Hazardous Polymerization: Will not occur.

Incompatibility: None.

Hazardous Decomposition Products: None.

Conditions to Avoid: Do not mix with any other product.

## SPILL OR LEAKAGE PROCEDURES:

Steps to be taken if material is released or spilled: Stop spill at source. Floors may become slippery, avoid falls. For large spills, pump into salvage tank. For small spills, absorb onto sand, earth or other suitable absorbent. Disposal must be in accordance with local, state and federal regulations.

## SPECIAL PROTECTION INFORMATION:

Ventilation: No special ventilation required.

Respiration Protection: None required under normal use.

Eye Protection: None required in normal use.

Protective Gloves: None required in normal use.

Other Protective Equipment: None required.

## SPECIAL PRECAUTIONS:

Precautions to be taken in handling and storage: Store in closed container in a dry place. Wash thoroughly after handling.

KEEP OUT OF REACH OF CHILDREN.

Other precautions: None.

## HAZARD RATING:

Health:	2	0 = Minimal	3 = Serious
Fire:	0	1 = Slight	4 = Severe
Reactivity:	1	2 = Moderate	

Specific Hazard: Corrosive

## SHIPPING INFORMATION (DOT/UN Classification) 18

DISINFECTANTS, LIQUID, CORROSIVE, N.O.S.,  
(ALKYL BENZYLAMMONIUM CHLORIDE), 8, UN 1903, III

Disclaimer: The information contained in this Material Safety Data Sheet is provided pursuant to 29CFR 1910.1200 to convey information concerning the hazardous nature of the named product. The information supplied was compiled from the most reliable sources available at the time of preparation and in light of the most reasonable foreseeable exposure situations expected from the intended use of this product. The material(s) may present greater or lesser hazard exposure under other circumstances that are beyond the control of the manufacturer. Therefore it is imperative that all directions and warnings on the product label be read and closely followed.