

INSERT SHEET

# SANITIZER

## FOOD CONTACT SANITIZER

For Institutional, Industrial, Dairy, Restaurant, Food Handling and Process Areas,  
Federally Inspected Meat and Poultry Plants, Bar and Institutional Kitchen Use

### ACTIVE INGREDIENTS:

Octyl decyl dimethyl ammonium chloride .....	3.0%
Didecyl dimethyl ammonium chloride .....	1.5%
Dioctyl dimethyl ammonium chloride .....	1.5%
Alkyl (C <sub>14</sub> , 50%; C <sub>12</sub> , 40%; C <sub>10</sub> , 10%) dimethyl benzyl ammonium chloride .....	4.0%

### INERT INGREDIENTS .....

<b>TOTAL</b> .....	<b>100.0%</b>
EPA Reg No. 10324-117-1190	EPA Est. No. 1190-IL-01

## KEEP OUT OF REACH OF CHILDREN DANGER PELIGRO FIRST AID

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

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. **IF IN EYES:** Hold eyes 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. Call a poison control center or doctor for treatment advice. **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 a 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 mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

**PELIGRO: SI NO PUEDE LEER EN INGLES, PREGUNTE A SU SUPERVISOR SOBRE LAS INSTRUCCIONES DE USO APROPIADAS ANTES DE TRABAJAR CON ESTE PRODUCTO.**

**DANGER: IF YOU CANNOT READ ENGLISH, ASK YOUR SUPERVISOR TO EXPLAIN THE APPROPRIATE DIRECTIONS FOR USE BEFORE WORKING WITH THIS PRODUCT.**

### SEE BELOW FOR ADDITIONAL PRECAUTIONARY STATEMENTS

This product contains no phosphorus. This product meets AOAC efficacy standards for hard surface sanitizers. This product has been cleared by the EPA in 40 CFR Section 180.940(a) and (c) for use on food processing equipment, utensils, and other food-contact articles at a concentration of 150-400 ppm active. To prevent cross-contamination, kitchenware and food contact surfaces of equipment must be washed, rinsed with potable water and sanitized after each use and following any interruption of operation during which time contamination may have occurred.

### DIRECTIONS FOR USE

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

**SANITIZING OF FOOD PROCESSING EQUIPMENT AND OTHER HARD SURFACES IN FOOD PROCESSING LOCATIONS, MEAT, PLANTS, DAIRIES, RESTAURANTS AND BARS DIRECTIONS:** For sanitizing food processing equipment, dairy equipment, food utensils, dishes, silverware, eating utensils, glasses, sink tops, countertops, refrigerated storage and display equipment and other hard, non-porous surfaces. **NO POTABLE WATER RINSE IS ALLOWED.**

Prior to application, remove gross food particles and soil by a pre-rinse or pre-scrape and when necessary, presoak. Then thoroughly wash or flush objects with a good detergent or a compatible cleaner, followed by a potable water rinse before applications of the sanitizing solution.

Before use as a sanitizer in federally inspected meat and poultry plants and dairies, food products and packaging materials must be removed from the room or carefully protected. A potable water rinse is not allowed following the use of this product as a sanitizer on previously cleaned hard, non-porous surfaces provided that the surfaces are adequately drained before contact with food so that little or no residue remains.

Apply to sink tops, countertops, refrigerated storage and display equipment and other stationary hard surfaces by cloth or brush or mechanical spray device. **NO POTABLE WATER RINSE IS ALLOWED AFTER USE AS A SANITIZER.**

Dishes, silverware, glasses, cooking utensils, eating utensils and other similar size food processing equipment must be sanitized by immersion in a 1 ounce per 4 gallons solution of this product (200 ppm active) for a contact time of 1 minute. Prepare a fresh sanitizing solution at least daily or when use solution becomes visibly dirty. For mechanical operation, used solution cannot be reused for sanitizing applications. **NO POTABLE WATER RINSE IS ALLOWED.**

At 1 ounce per 4 gallons of water (200 ppm active quat) this product eliminates 99.999% of the following bacteria in 60 seconds in 500 ppm hard water according to the AOAC Germicidal and Detergent Sanitizing Action of Disinfectants test:

<i>Aeromonas hydrophila</i>	<i>Enterococcus faecalis</i>	<i>Salmonella enteritidis</i>	<i>Staphylococcus aureus</i>
<i>Campylobacter jejuni</i>	<i>Vancomycin resistant</i>	<i>Salmonella typhi</i>	<i>Methicillin Resistant</i>
<i>Escherichia coli</i>	<i>Enterobacter sakazakii</i>	<i>Shigella dysenteriae</i>	<i>MRSA</i>
<i>Escherichia coli</i> O157:H7	<i>Listeria monocytogenes</i>	<i>Shigella sonnei</i>	<i>Streptococcus pyogenes</i>
<i>Escherichia coli</i> O111:H9	<i>Klebsiella pneumoniae</i>	<i>Staphylococcus aureus</i>	<i>Yersinia enterocolitica</i>
	<i>Salmonella enterica</i>		

### DIRECTIONS FOR FOOD PROCESSING EQUIPMENT AND DAIRIES

Equipment and utensils should be thoroughly preflushed or prescraped and, when necessary, presoaked to remove gross food particles. Clean and rinse equipment thoroughly. Then apply sanitizing solution containing 1 ounce of this product per 4 gallons of water (200 ppm active quat). Allow surface to remain wet for at least 60 seconds. Apply solution to pre-cleaned, hard, non-porous surfaces thoroughly wetting surfaces with a cloth, mop, sponge, sprayer or by immersion. For spray applications, use a coarse pump or trigger sprayer. Spray 6-8 inches from surface. Rub with brush, sponge, or cloth. Do not breathe spray. With spray applications, cover or remove all food products. Prepare a fresh solution at least daily or when use solution becomes visibly dirty. No potable water rinse is allowed.

At 1 ounce per 4 gallons this sanitizer fulfills the criteria of Appendix F of the Grade A Pasteurized Milk Ordinance 1978 Recommendations in waters up to 500 ppm of hardness calculated as CaCO<sub>3</sub> when evaluated by the AOAC Germicidal and Detergent Sanitizer Method against *Escherichia coli* and *Staphylococcus aureus*.

### U.S. PUBLIC HEALTH SERVICE FOOD SERVICE SANITIZATION RECOMMENDATIONS CLEANING AND SANITIZING

Equipment and utensils must be thoroughly preflushed or prescraped and, when necessary, presoaked to remove gross food particles and soil.

- 1) Thoroughly wash equipment and utensils in a hot detergent solution. Rinse utensils and equipment thoroughly with potable water.
- 2) Sanitize equipment and utensils by immersion in a 1 ounce of this product per 4 gallons of water solution for at least 60 seconds at a temperature of 75° F. This dilution is equivalent to a solution containing 50 ppm available chlorine.
- 3) For equipment and utensils too large to sanitize by immersion, apply at 3/4 ounce per 2 gallons solution of this product (300 ppm active) by rinsing, spraying or swabbing until thoroughly wetted.
- 4) Allow sanitized surface to drain and air dry. Do not rinse.

### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

**PESTICIDE STORAGE:** Open dumping is prohibited. Store only in original container. Do not reuse empty container. If a leaky container must be contained within another, mark the outer container to identify the contents. Store pesticides away from food, pet food, feed, seed, fertilizers and veterinary supplies. Keep this product under locked storage sufficient to make it inaccessible to children or persons unfamiliar with its proper use.

**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 HANDLING:** Non-refillable container. Do not reuse this container to hold materials other than pesticides or rinsate. Triple rinse. After emptying and cleaning, it may be allowed to temporarily hold rinsate or other pesticide related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Offer for recycling if available or puncture and dispose in a sanitary landfill, or by other procedures approved by state and local authorities. If rinsate cannot be used, follow pesticide disposal instructions. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state and federal regulations.

**RESIDUE REMOVAL INSTRUCTIONS:** Triple rinse container promptly after emptying. Triple rinse as follows: empty the remaining contents into application equipment or a mix tank and drain 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER. Keep Out of Reach of Children.** Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing spray mist. Do not get into eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

#### PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.  
Do not mix with oxidizers, anionic soaps and detergents.

B27/1610M/1611/LU05-21-2010/SAL121109



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HAZARD RATING 4-EXTREME 3-HIGH 2-MODERATE 1-SLIGHT 0-INSIGNIFICANT	Fire		Reactivity
	Health		Special

# MATERIAL SAFETY DATA SHEET

(Prepared according to 29 CFR 1910.1200)

Date Prepared: 11-14-07

## SECTION 1 - PRODUCT IDENTIFICATION

Company Name	Daley International	Emergency Telephone No.	1-800-535-5053
Address	4100 W. 76th Street, Chicago, IL 60652	Information Telephone No.	773-284-6565
Product Name / ID#	Sanitizer (1611)	Product Type	No Rinse Sanitizer <input checked="" type="checkbox"/> Proprietary Product

## SECTION 2 - HAZARDOUS INGREDIENTS

Chemical Name/Common Name	Cas No.	Percent (optional)	TLV (Source)
n-Alkyl (C <sub>12</sub> , 50%; C <sub>14</sub> , 40%; C <sub>16</sub> , 10%) Dimethyl Benzyl Ammonium Chloride	68424-85-1	4.00	NA
Dialkyl (C <sub>8</sub> /C <sub>10</sub> , 50%; C <sub>10</sub> /C <sub>12</sub> , 30%; C <sub>8</sub> /C <sub>6</sub> , 20%) Dimethyl Ammonium Chloride	68424-95-3	6.00	NA

\* Substances  Contains no substances - subject to the reporting requirements of SARA 313 and 40 CFR Part 372.

## SECTION 3 - PHYSICAL DATA

Boiling Point (°F)	212°F	Specific Gravity (H <sub>2</sub> O=1.0)	0.990	0.005	pH	7.5 ± 1.0	% VOC (ww)	1.25%
Solubility In Water	<input checked="" type="checkbox"/> Complete <input type="checkbox"/> Insoluble <input type="checkbox"/> Emulsifiable or (Dispersible) <input type="checkbox"/> Slight (or Partial)							
Evaporation Rate (vs H <sub>2</sub> O)	<input type="checkbox"/> Faster <input type="checkbox"/> Slower <input checked="" type="checkbox"/> About the Same		Vapor Pressure	NE		Vapor Density	NE	
Appearance and Odor	Clear red, water thin, quat odor.							

## SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (T.C.C.)	<input checked="" type="checkbox"/> None to boiling							Flammable Limits	Upper	NA	Lower	NA
Extinguishing Media	NA											
Special Fire Fighting Procedures	Use self contained breathing apparatus if product caught in surrounding fire.											
Unusual Fire Explosion Hazards	NA											

## SECTION 5 - REACTIVE DATA

Stability	Stable			Incompatibility	Anionics		
Hazardous Decomposition Products	May produce toxic fumes of hydrogen chloride, organic chlorides, amines, ammonia, and oxides of carbon and nitrogen.						

## SECTION 6 - HEALTH HAZARDS

Threshold Limit Value Product See Section 2 for Ingredients TLV	<input checked="" type="checkbox"/> None Established <input type="checkbox"/> Not Applicable		Primary routes of Exposure	<input checked="" type="checkbox"/> Eyes <input checked="" type="checkbox"/> Skin <input checked="" type="checkbox"/> Oral <input checked="" type="checkbox"/> Inhalation			
Signs Symptoms of Over-exposure (Acute)	Vapors or mists may be irritating to the mucous membranes. Direct contact with eyes can cause severe damage. Direct contact with skin can cause severe irritation. Ingestion may cause immediate burning in the mouth, throat, and abdomen.						
Signs Symptoms of Over-exposure (Chronic)	Unknown						
Medical Conditions Aggravated by Over-exposure	Unknown						
Carcinogen/Suspected Carcinogen Ingredients:	None		<input type="checkbox"/> NTP	<input type="checkbox"/> IARC	<input type="checkbox"/> OSHA	<input checked="" type="checkbox"/> None	

## SECTION 7 - FIRST AID PROCEDURES - (If any Condition persists - Consult a physician.)

**Eyes.** Hold eye open & rinse with water for 15-20 min. Remove contact lenses, if present, after 5 min, then continue rinsing eyes. Call poison control center for advise.

**Skin.** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advise.

**Ingestion.** Call poison control center or doctor for treatment advise. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told by poison control center or doctor. Do not give anything by mouth to an unconscious person.

**Note to physician: Probable mucosal damage may contraindicate the use of gastric lavage.**

**Inhalation.** Move to fresh air. If not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth to mouth. Call poison control center or doctor for treatment advise.

## SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection	Use NIOSH approved respirator if ventilation is poor and excessive misting occurs.		
Ventilation requirements	<input type="checkbox"/> Local Exhaust	<input checked="" type="checkbox"/> Mechanical	As needed to minimize exposure to vapors or mists.
Protective Gloves	Rubber or other impervious.		Eye Protection Safety glasses or goggles
Other Protective Clothing	Chemical apron when handling large volumes of material.		

## SECTION 9 - SPILL OR LEAK PROCEDURES

Steps to be Taken if Released or Spilled	Contain spill with inert material or absorb on clay or rags. Transfer to appropriate container(s) for disposal.		
Waste Disposal Methods	Open dumping is prohibited. Check all governments regulations. Incineration is the preferred method of disposal.		

## SECTION 10 - STORAGE AND HANDLING INFORMATION

Precautions to be Taken in handling and Storage	Store at temperatures below 100°F. Do not contaminate water, food or feed by storage or disposal. Keep out of reach of children.		
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